



safety glazing certification council

January 1, 2022

certified products directory
safety glazing material used in buildings
visit our website @ sgcc.org



#0961
ISO/IEC 17065
Product Certification Body

January 2022

Safety Glazing Certification Council Certified Products Directory (CPD)

Certification Program for safety glazing materials found to be in compliance with one or more of the following specifications:

"American National Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test: ANSI Z97.1-2015"

Copies of ANSI Z97.1-2015 may be obtained by calling (212) 642-4900, writing the following address or visiting the following website:

American National Standards Institute
11 W 42nd St., #13th Fl
New York, NY 10036-8002
<https://webstore.ansi.org/SDO/GISC>

"Consumer Products Safety Commission Safety Standard for Architectural Glazing Materials - at Title 16, Part 1201 of the Code of Federal Regulations: 16 CFR 1201"

Copies of 16 CFR 1201 may be obtained by calling (202) 512-1800, writing the following address or visiting the following website:

Superintendent of Documents
PO Box 371954
Pittsburg, PA 15250-7954
<https://www.reginfo.gov/public/jsp/eAgenda/GetPrintedCopies.myjsp>

SGCC "Record of Compliance Testing" to support a manufacturer's CPSC Certificate of Compliance Testing may be obtained, when authorized by the SGCC licensee, at
<https://www.sgcc.org/product-search/compliance-testing>

"National Standard of Canada - Tempered or Laminated Safety Glass CAN/CGSB 12.1-2017"

Copies of CAN/CGSB 12.1 may be obtained by calling (613) 238-3222, writing the following address or visiting the following website:

The Secretary
Canadian General Standard Board
Ottawa, Canada K1A 1G6
https://www.techstreet.com/standards/can-cgsb-12-1-2017?product_id=1944892

Additional copies of this Certified Products Directory may be obtained by contacting the SGCC® office or by going to our website for a PDF copy

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Table of Contents

ANSI Z97.1-2015 1

CPSC 16 CFR 1201 1

CAN/CGSB 12.1-2017 1

Meetings of the Certification Committee..... 3

Roster..... 3

Accreditation 5

Program Concept 14

Procedural Guide 16

Quality Assurance Program & Requirements..... 17

How the Certification Program Works 18

Complaints and/or Appealing a Certified Product..... 19

What Does the Program Cost 20

Certification Guidelines and Interpretations..... 22

Certification of Tempered Coated Glass 26

Laminated Glass 28

SGCC® Advertising Guidelines..... 33

SGCC® Label Requirements 34

CPSC Act Labeling Requirements 35

Certified Products Listing 36

Certified Products Key..... 67

Classified Tempered Glass Patterns Key..... 68

SGCC® List of Accepted Interlayers 70

SGCC® Approved Laboratories 72

MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Safety Glazing Certification Council meets annually. Minutes of these meetings may be obtained by writing to the Administrative Manager of the Safety Glazing Certification Council (SGCC®) or by visiting the SGCC website at www.sgcc.org

Certification in this directory is current as of the date of issue, however, products may be certified or have certification removed from time to time. For the most current information, please contact the Administrative Manager of SGCC® or visit the SGCC website at www.sgcc.org

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ACCREDITATION

In 2016 the American National Standards Institute (ANSI) issued ISO/IEC 17065 Accreditation to the SGCC® Certification Program and AMS, Inc., the program Administrator and Certification Body (CB). This Accreditation is a formal recognition of fulfilling the requirements of the ISO/IEC 17065:2012 standard, as well as ANSI's own accreditation requirements.

What is Accreditation?

Accreditation is similar to certification. Just like in certification there is an independent party who assesses and determines whether or not an organization meets specific requirements. In the case of ANSI's assessment of the SGCC® Certification Program and AMS, Inc., they were assessed to ISO standard ISO/IEC 17065:2012. The end result is called accreditation.

Who is ANSI?

The American National Standards Institute is a not-for-profit entity providing assessment and accreditation of bodies performing third-party conformity assessment (certification), among other services. ANSI also brings global recognition to conformity assessment through several international and regional arrangements for multi-lateral recognition, including the International Accreditation Forum (IAF). In addition, ANSI has a memorandum of understanding (MoU) with the Standards Council of Canada (SCC). All of this helps bring global acknowledgement to conformity assessment.

Information from: *ansica.org*, Why Seek Accreditation?, 2015. Web. August 19, 2015.

What is ISO/IEC 17065:2012?

ISO/IEC 17065:2012 is an internationally-recognized standard for bodies certifying products, processes and services. It is the main source of criteria used to assess the SGCC® Certification Program and AMS, Inc. The standard specifies requirements that, according to ISO/IEC 17065:2012, "ensure that certification bodies operate certification programs in a competent, consistent and impartial manner...".

How will this affect my Certification?

Accreditation of the SGCC® Certification Program and AMS, Inc. is the formal recognition that they have met strict requirements placed on them. This means that as a manufacturer, operator, or provider of certified products, you can be sure that the SGCC® Certification Program is operated to some of the highest quality standards in the world. Because the SGCC® Certification Program and AMS, Inc. have always followed stringent guidelines there will be minimal changes to the certification program. When changes are necessary though, you will be notified in advance.

Though the SGCC® Certification Program requirements won't change much due to the accreditation, it does offer an opportunity for manufacturers to show conformance to an ANSI-Accredited certification program, an invaluable association to set you apart in the market. For more information, and restrictions and limitations, please contact AMS, Inc.

Disclaimers

While there are significant benefits to being associated with this accreditation, accreditation doesn't mean that ANSI approves certified products, processes, or services of Licensees. In addition, the ANSI Accreditation symbol and ANSI logo are not permitted to be displayed on any product or its packaging.

Questions or Want to Learn More?

If you have any questions or need additional information regarding any of the topics presented above, please feel free to contact AMS, Inc. at (315) 646-2234, or email us at staff@amscert.com.

SGCC Certification Committee

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Rizhao Huaye Glass Co., Ltd.	Alex Yin	Grant Lee	
Robover Inc.	Alain Fortin		
Rohden Vidros LTDA	Edilene Kniess	Lenuir Kniess	
SAAND Inc.	Paul Ferguson	Steve Callahan	
SAGE Electrochromics Inc.	Chuck Hayes	Dianne Dahl	
Saint Gobain Mexico, S.A. de C.V.	Alberto Boix	Gladys Rios	
Saudi German Aluminum Products Co.	Ali Basher Kindi	Jameson Nacional	
SCHOTT Gemtron - Sweetwater	Beena Walker	Jack Francis	
SCHOTT Gemtron (Canada) Corporation	Bill Bartlett	Bruce Busch	
Selective Shower Glass Designs Inc.	Fabio Castiblanco	Luz Adriana Alvarez	
Senneca Holdings Inc. (Thermoseal Brand)	Joseph Sokalski		
Sfera SRL	Vianello Elio		
SGC International Inc.	James Huang		

SGCC Certification Committee

Licensee	Primary Member	First Alternate	Second Alternate
Shandong Jinjing Science & Technology Stock Co., Shandong Kingtom Glass Co., Ltd.	Huanqing Zhang Tao Zhenmin	Xu Ping	
Shandong Paneu Glass., LTD. Shandong Yaohua Glass Co., Ltd.	Kristin Yu James Hu	Forest Tang	
Shanghai Bordy Decoration Materials Co., Ltd. Shanghai Yaohua Pilkington Glass Group Co., Ltd.	Xie Zhengchun Dr. Sun Da Hai		
Shanghai Zhenzhen Glassware Co., LTD. Shape Glass LLC.	Brian Y. L. Chong Brian Bradford		
Shenzhen Shennanyi Glass Product Co., Ltd Shenzhen Sun Global Glass Co., Limited	Sophie Lee Zhang Guanghui		
Shower Doors & More Inc. Sichuan CSG Energy Conservation Glass Co., Ltd.	Page Giacini Liu Song	Larry Giacini	
Sierra Glass Fabrication Inc. SIGCO, Inc.	Jack Baum David A. McElhinny	Matthew Dunn	
Simonton Windows Singh Glass & Mirror Inc. dba Luso Glass Company	Tina Seese Mandeep Singh	Steven Saffell Devinder Bains	
SiO2 Fabricating Sisecam Flat Glass Italy S.r.l.	Lance Hamilton Mr. Antonio Santoro	Josh Muniz	
Sky Land Tempering Glass Corp Skyline Design	Ricky Zeng David Wildfield		
Solar Seal LLC Soluciones de Vitro Plano S.A. de C.V.	Jim Miller Alberto Vilchis Trujillo	Julio Castillo Barrado	
South Bay Showers, Inc. Southern Wholesale Glass	Michael Sutton Mark Michael		
Splendor Shower Door Standard Bent Glass	John Wanamaker Denise Swigart	Tom Wanamaker	
Stargrup Cam A.S. Strong Tempering Glass Industry LLC	Emrah Arslankara Mark Chen		
Sunfire Glass, Inc. Sunglas Technics Co., Ltd.	Dennys Fernandez Mr. Zhao Jianxin	Steven Shung	
Swift Glass Co., Inc. Syracuse Glass Company, LLC	Daniel J. Burke John Dwyer	Kathleen B. Schweizer	Charles Burke
Tacoma Glass Mfg. Inc. Tai Shan City Da Heng Art Glass Ltd.	Tim Conroy Liu Woxian		
Tai Sheng (Dong Guan)Glass Co.,Ltd Technical Glass Company	Zhibing Liu Engr Mousa El Gedaily	Engr Ahmad Tawalbeh	
Techni-Glass, Inc. Tecnoglass S.A.S.	Pat Murphy Christian Daes	Jason Hooven Diana Lohrer	
Tecnovidrio S.A. de C.V. TEMCOR S. DE RL DE CV	Ricardo Aguilar Martinez Genaro Cortez	Sara Ivonne Penaloza Ruiz	
Temp Glass Inc. Tempco Glass and Fabrication, LLC	Sigfrido Martinez Michelle Pascal		
Templados Del Centro SA DE C.V. Templados Industriales S.A. de C.V.	Omar Rios Carlos Maldonado	Fernanda Garcia Pedro Chavez	
TG Qingdao Glass Co., Ltd. TG Taicang Architectural Glass Co. Ltd	Albert Wang Melody Bi	Judy Li	
The Original Frameless Shower Door Thermax A.J. Inc.	John Serino Francois Ouellette		
Thermal Seal Insulating Glass Thermalsun Glass Products	Ann Oliveira Brad Kloes		
Thermo BSL Thiele Glas Werk GmbH	Pierre-Luc Bellavance Heico Gensheimer	Claude Pelletier Elias Luzius	
Thompson I.G. , LLC. Tianjin CSG Energy Conservation Glass Co., LTD	Dale Houck Zaida Liu		
Tianjin Northglass Industrial Technical Co., Ltd. Tomakk Glass Partners, LLC	Zhang Xue Clay Hargett	Anna Wu Scott Hoffman	
Trakya Glass Bulgaria EAD	Ozgur Hocaoglu		

SGCC Certification Committee

Licensee	Primary Member	First Alternate	Second Alternate
Treaty City Industries Inc.	Robbie Jones		
Tristar Glass, Inc.	Tim Kelley		
Triton Glass LLC	Sahaj R. Patel		
Troy Systems LLC	Ali Guney		
Trulite Glass and Aluminum Solutions	Jeff Haberer	Adrian Casas	
Türkiye Şişe ve CamFabrikaları A.Ş. ŞişecamDüzcam	Ercan Acar	Burcu Sekir	
TVITEC System Glass, S.L.	David Lopez	Ms. Alexandra Gonzalez	
Tweddell's Inc.	Corey Myer	Ed Blair	
U.S. Glass Distributors Inc.	Franco Alfano	David Jaskulski	
Ungari Investments, LLC. (dba S.F. Tempering)	Jorge Ontiveros	Salva Sorka	
Uniglass	Shakil Ahmed Khan		
United Plate Glass Co., Inc.	Darin Vietmeier		
Unitex Glass Chengdu Co., Ltd	Andy Yu	Chen Xinhua	
Upstate Glass Tempering Inc.	David Chavoly	Allen Gottlieb	
US Glass Tempering Inc.	Anil Kumar	Sid Dhir	
Valentini Glass & Components srl	Claudio Valentini		
Vanbo Glass Industries Inc.	Jason Wu	June Ma	
Vandaglas GmbH	Sven Toennigs		
Vetzeria F. Illi Paci	Maurilio Paci		
Vetrodomus SpA	Frederico Casaccio	Chiara Pastore	
Vidrio Bisel S.A. de C.V.	Ignacio Flores Suarez		
Vidrio Plano De Mexico S.A. DE C.V.	Prisciliano Bernal Ramirez	Santiago de la Torre Garcia	
View Inc.	Joe Crouson		
Viewrail	Troy Burns	David Maxwell	
Viracon Inc.	Brian Louks		
Virginia Glass Products Corp.	W. Chris Beeler	Rodney Keatts	
Vista Glass Corporation	Sajad Kazemeyni	Jay Patel	
Vistamatic, LLC	Kevin Roth		
Vitelsa Mosquera S.A.	Laura Luna		
Vitemex	Edgar Alonso de la Cruz		
Vitalum Glass Solutions Inc.	Eliben Morelos	Benjamin Morelos	
Vitro Flat Glass, LLC (formerly PPG)	Wagner Lozano	Paul Di Cesate	
Vitrum Glass Ltd.	Tim Stewart	Michael English	Carmelita Pena
Vitrum Industries Ltd.	Tim Stewart	Carmelita Pena	
Viwinco, Inc.	Michael Duncan	Mr. Kim Hammerschmidt	
Vortex Glass	Oscar Garcia	Gustavo Canizares	
W. A. Wilson Inc.	Robert Hartong		
W.C.P., Inc dba West Coast Insulated Glass Products	Rusty Neubauer		
Wexford Viking Glass Limited	Paul Murphy	Pauline Kirwan	
Whalley Glass Co	Mark Vece		
White Aluminium Enterprises L.L.C	Jabr Doshan		
Wholesale Glass Distributors, Inc.	Kevin Boudreaux		
WHTB Glass, LLC	Hongwei Gao	Zhu Zhu	
Window Creations, LLC	Jason Buehrer	Brad Allison	
Window Technologies, Inc.	Michael Castleberry		
Wisconsin Shower Door & Supply Corp	Chuck Biesik	James Kinsey	
Wolverine Glass Products, Inc.	Rodger Ruff	Chelsie Cowles	
Woodbridge Glass Distribution Inc.	Eduardo Raposo	Simone Iezzi	
Woon-Tech Inc.	Joshua Foster		
WSD Glass, Inc.	Gary Reece		
Wujiang CSG Huadong Architectural Glass Co., LTD	Yu Jinhui		
Wujiang Golden Glass Technologies, Ltd.	Wu Cong Zhen		
Xiamen Shiner Industrial Co., Ltd.	Anne Law	Maggie Liang	
Xiamen Togen Building Products Co., Ltd.	Lily Liu	Eric Wang	
Xianning CSG Energy Conservation Glass Co., LTD.	Ms. Yu Jiao		
XYG North America Corp.	Joanne Loh	Lawrence Tao	
Yakut Cam A.S	Faith Poyraz	Murat Tuncer	

SGCC Certification Committee

Licensee	Primary Member	First Alternate	Second Alternate
Yantai Bluesky Glass Co., Ltd	Kelly Jiang		
Yantai Dongfang Glass Co., Ltd	Xing Jinwei		
Yildiz Cam San. Tic. A.S.	Mevlude Kaynak	Gulsen Ekici	
Yitian (Cattis) Glass Product Co., Ltd	Xiaojun Zheng		
Yong Feng Tai Foshan City Glass Co., LTD.	Aijun Zhong		
Yorglass Cam Sanayi Ve Ticaret A.S.	Serap Bayram		
Zhangjiagang City Daming Glass Product Co., Ltd	Xiao Ruijuan		
Zhangjiagang Weiyu Fabricated Glass Co. Ltd.	Mr. Xu Zhengdong		
Zhongshan Walle Glass Product Co., Ltd	Yilan Liu		
Zorro International Corporation	Joe He		

Certification Committee Chairman - Mark Cody**Member by virtue of being a director**

Public Interest	William Nugent
Public Interest	Elaine Rodman
Public Interest	June Willcott
Public Interest	Peter Weismantle
Glasstech, Inc	Norman Nitschke
Public Interest	Patrick Loughran

January 2022

Revised 10/1/2014

~PROGRAM CONCEPT~

The Safety Glazing Certification Council (SGCC®) is a non-profit corporation, established in 1971 by manufacturers of safety glazing products, building code officials, and others concerned with public safety.

The purpose of SGCC is:

- (a) To promote public safety by encouraging maintenance of the highest standards of excellence in the manufacture of safety glazing materials.
- (b) To encourage and cooperate in developing standards related to other performance characteristics of glazing products.
- (c) To plan, organize, direct, coordinate and maintain a certification program for glazing materials to assure that glazing products meet applicable standards or performance requirements adopted or approved by the Council.

SGCC® maintains a program which provides for the certification of safety glazing materials found to be in compliance with one or more of the following specifications:

American National Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test: ANSI Z97.1-2015.

Consumer Product Safety Commission Safety Standard for Architectural Glazing Materials - codified at Title 16, Part 1201 of the Code of Federal Regulations: 16 CFR 1201

National Standard of Canada - Tempered or Laminated Safety Glass: CAN/CGSB 12.1-2017

These specifications subject safety glazing materials, used in buildings and architectural products, to practical tests designed to reduce or eliminate unreasonable risk of death and injury when safety glazing material is broken by human contact.

The specification(s) to which a safety glazing material is certified by SGCC®, is at the direction of the licensee.

SGCC® responsibilities are threefold: to conduct an independent routine sampling and testing program; to approve the form of a licensee's label; and to withdraw the licensee's authority to use that label if certified products do not meet specification(s).

Management and control of SGCC® is vested in a board of directors, half representing industry and half representing the public interest. To prevent industry dominance of SGCC® actions, half the voting power of the board resides in the public interest directors regardless of the number of directors present at a meeting.

The certification program uses approved testing laboratories under the supervision of a qualified Administrator, retained by and responsible to SGCC®, who is unaffiliated with any licensee of safety glazing materials.

The licensee of a product listed in this directory has certified that the labeled material complies with the applicable specification(s). Compliance of a certified product with the applicable specification(s) is checked periodically by an approved testing laboratory under the supervision of SGCC®.

All manufacturers of safety glazing products are eligible and encouraged to apply for SGCC® certification. Products may also be licensed by non-manufacturers. (See "Who Can Become a Licensee") However, products are not certified until a test to the applicable specification(s) conducted at an approved testing laboratory indicates compliance, the SGCC® certification invoice is paid, and SGCC® License Agreements are properly executed.

Once certified by SGCC®, a product is assigned an exclusive certification number to identify it and the plant at which it is made. After which, to ensure continued adherence to the specification(s), SGCC® independently selects, at least twice in each year, samples during visits to the manufacturing plant or randomly from the market place to be tested to the applicable specification(s). Consequent to a test result showing compliance with the applicable specification(s) SGCC® authorizes the continued use of the certification number and the product listing in this directory.

This directory is divided into three basic listings: the first is by numerical sequence of certified product numbers listing the licensee holding that number; the second is of manufacturing licensees listed alphabetically by plants and the approved products manufactured at those plants; the third is by product type listing all licensees and locations approved for each product type. The Table of Contents lists various procedural and administrative information, as well as information as to where officers and directors may be located. Upon request, information from SGCC® concerning a statement of procedures or copies of minutes are available to manufacturers, public interest groups, and individuals.

PROCEDURAL GUIDE (SD-07)

FOREWORD

The acceptance of a certified safety glazing material comes from the conviction such certification assures a high level of safety and quality, and that the integrity of the identifying mark or certification label is reliably maintained by a competent certifying agency.

ANSI Z97.1, 16 CFR 1201, and CAN/CGSB 12.1 all provide sound technical basis for a high level of safety. With the addition of independent administration, plus periodic routine sampling and product evaluation, a program of product certification is maintained which provides an independent third-party certification and testing program. The Certification Program described herein is predicated upon the concept of independent and impartial administration of the certification procedures which are incorporated in the SGCC® License Agreement.

The SGCC® License Agreement is the governing document for the operation of the Certification Program. The Procedural Guide, which is not an extension of this document, is for information and guidance and serves to describe administrative procedures and to ensure the uniform and equitable operation of the Certification Program.

GENERAL INFORMATION

THE CERTIFICATION CONCEPT

The SGCC® Certification Program is based on the conviction no standard of safety or quality is good without the continuous adherence of the licensees' certified products to that standard.

To buyers, specifiers, code officials and users, the SGCC® certification label offers the licensee assurance his safety glazing material has been produced in conformance to ANSI Z97.1 and/or 16 CFR 1201 and/or CAN/CGSB 12.1.

Federal law, many state statutes, municipal ordinances, and building codes require glazing materials installed in certain defined locations comply with ANSI Z97.1 and/or 16 CFR 1201 and/or CAN/CGSB 12.1.

WHO CAN BECOME A LICENSEE? (Revised 10/14/2016)

Any manufacturer of safety glazing materials is eligible, on a voluntary basis, to become a licensee. A manufacturer is the entity who fabricates, constructs, treats, or combines glazing materials with other materials to make a final safety glazing material.

WHO CONDUCTS THE PROGRAM?

The Safety Glazing Certification Council, a non-profit corporation, is the sponsor of the Certification Program. SGCC® supervises the Certification Program under which its Administrator periodically checks and reports compliance of the products having the SGCC® certification label with the requirements of ANSI Z97.1 and/or 16 CFR 1201 and/or CAN/CGSB 12.1.

ADMINISTRATION

Administrative Management Systems (AMS), is the independent Administrator of the Certification Program. AMS maintains the SGCC® office of certification and conducts the routine day-to-day business. All transactions are done in the name of SGCC®.

HOW CAN YOU BECOME A LICENSEE?

The following must be accomplished before SGCC® can certify an item of safety glazing material:

- a) (i) The applicant signs the SGCC® License Agreement and emails it to SGCC®. SGCC® will countersign all copies and return one to the applicant. Non-manufacturing applicants applying on

behalf of a manufacturer must include the location and appropriate signatures of their manufacturer for each location. (Revised 9/19/2017)

- (ii) The applicant must complete the SGCC® Application, which includes all of the necessary information for the safety glazing product(s) and return to SGCC®. (Added 7/1/2016)
- b) The applicant directs an SGCC® approved testing laboratory, of its own choosing, to send SGCC® one copy of a valid test report indicating the “initial” or “prototype” samples submitted for testing are in full and complete compliance with ANSI Z97.1 and 16 CFR 1201 and/or CAN/CGSB 12.1. Reports shall only be accepted directly from SGCC® Approved independent laboratories. **Test reports are valid for initial certification if the report date is within 60 days.** (Revised 9/19/2017)
- c) The applicant sends to SGCC® the certification fee for each item to be certified. (Revised 11/4/2015)
- d) (Deleted 10/21/2007)
- e) If the Licensee has certified product with SGCC during the prior 24-month period and has had all products decertified by SGCC or has voluntarily decertified all products, an audit must be performed by the Administrator’s representative and any corrective actions resulting from such audit resolved (Added 9/19/2017)

Having received all of the above items, SGCC® sends to the licensee the notice of product certification which includes an SGCC® certification number. This number must be incorporated into the permanent label affixed to each piece of certified safety glazing material. The certified item will be listed in the next edition of the Certified Products Directory.

QUALITY ASSURANCE PROGRAM (Revised 10/4/2018)

SGCC® requires licensees to have a working quality assurance program for the fabrication of safety glazing. Compliance to quality assurance requirements will be validated at the first plant inspection after products are certified. Adherence is verified during twice per year plant visits. These requirements were adopted to improve the overall quality and reliability of safety glazing products in the program. These requirements are in addition to the ANSI, CPSC and CAN/CGSB 12.1 compliance testing required by the SGCC® certification program. The intent is to enhance the quality of products produced in the interim production periods between test cycles. Although a quality assurance program is a fundamental element of good fabrication practices, only successful testing to ANSI Z97.1, 16 CFR 1201 or CAN/CGSB 12.1 is valid proof of compliance with these standards.

Quality Assurance Requirements:

- 1) **A Quality System Manual** – A quality manual shall be present that documents, identifies, describes and contains the workings of the quality system, and as a minimum contains the following sections:
 - a. Designated Person for Quality Assurance
 - b. Process Control (Procedures)
 - c. Production Testing
 - d. Calibration
- 2) **Designated Representative for Quality Assurance** – The manufacturer shall designate a person who is responsible for the quality system function in the manufacturing facility.
- 3) **Process Control** - The individual areas involved in the fabrication of safety glazing shall be defined. Each area shall have documented procedures.
- 4) **Production testing** – Procedures shall describe testing of regular production and shall include SGCC requirements for safety glazing products. The SGCC auditor shall 1) review historical testing records ensuring procedures were followed if failure occurred 2) witness at least one production test and 3) review the method of evaluation during twice per year visits. When samples are not available, the manufacturer shall describe to the auditor how production testing is performed. Where ANSI or ASTM test methods are referenced below, other like national or internationally accepted test methods (for example EN 12600) are acceptable. Records of testing shall be maintained for a minimum of 10 years. See "Guidance for the SGCC® Quality Assurance Production Testing for additional information and a list of Suitable Alternatives available at <https://www.sgcc.org/more-info/miscellaneous->

[forms-and-information](#))

- a. Tempered – ANSI Z97.1 Center Punch¹ and/or Impactor¹ Test - As a minimum, testing shall occur on the first of each product thickness per shift. Additional testing may be appropriate.
 - b. Laminated – ASTM F3007¹ and/or ANSI Z97.1 Impactor Test - During regular production periods, a minimum sample collection shall be performed weekly, and actual testing occur at least monthly. Sample collection must be traceable to specific production runs. For ASTM F3007 testing, sampling and testing shall occur as a minimum on the thinnest product(s) produced. Evaluation shall occur and drop height selection as a minimum shall be in accordance with ASTM F3006.
 - c. Products other than Tempered or Laminated - Testing procedures shall be established and accepted by the SGCC Administrator.
- 5) **Calibration** - Test equipment used in the quality inspection process must be working properly and accuracy assured. Equipment shall be 1) identifiable, 2) records of the calibration maintained, and 3) a method shall exist for monitoring at least an annual calibration

HOW THE CERTIFICATION PROGRAM WORKS (Revised10/1/2020)

Safety glazing materials must meet or exceed the applicable specification(s) before they can be certified by SGCC®.

After initial certification (see “How Can You Become a Licensee”), the administrator verifies the production at the licensee’s manufacturing location during twice per year audits. **In consideration of public health concerns one or both of the twice per year audits can be conducted virtually.** During each audit, the licensee’s compliance to SGCC’s Quality Assurance Program is validated. During these audits, independent routine test sample selection is performed as well as review of proper labeling practices.

All tests are conducted by SGCC® approved testing laboratories. All laboratories, whose test reports are utilized by the Certification Program, shall be approved by the SGCC® Certification Committee. Initial or prototype tests are performed at an approved testing laboratory selected by the licensee. An approved testing laboratory selected with the concurrence of the Administrator by the licensee, tests routine evaluation samples.

ADMINISTRATOR AUTHORIZES CERTIFICATION

As sole judge of compliance with the applicable specification(s), the Administrator authorizes a product, which has been approved to be listed in the Certified Products Directory (CPD).

Licensees label safety glazing material, with the assigned SGCC® number, within the limits of the product size tested. If 34 by 76 inches (34x76) is the size of the initial or prototype test sample, certification is extended to all sizes and the permanent label contains the letter “U”, designating unlimited size. The letter “L” contained within the permanent label denotes certification is limited to the width and length of the initial or prototype test sample.

PRODUCTS LISTED IN CERTIFIED PRODUCTS DIRECTORY (Revised 10/14/2016)

Approved products are listed in a Certified Products Directory (CPD). The directory is published every six months and is sent to door, sash and building products manufacturers, glazing contractors, home builders, architects, regulatory agencies, code-making groups, etc. Directory listings contain the licensee's name, plant location, and product description of safety glazing material certified by SGCC®.

¹ Please contact SGCC at SGCC@amscert.com or visit the SGCC website (<https://www.sgcc.org/more-info/miscellaneous-forms-and-information>) for additional information including equipment details and purchasing options for this equipment

The Administrator selects, at least twice in each year, samples of certified safety glazing material to be tested to the applicable specification(s). These samples are selected during visits to the manufacturing plant or from the marketplace.

COMPLIANCE SAFEGUARDS

HOW IS COMPLIANCE ASSURED (Revised 11/4/2015)

Any certified product determined, in the course of routine sampling and evaluation, not in compliance with the applicable test specification(s), is upon first failure, subject to the retest requirements of guideline G.11. Should the G.11 retest fail to comply, the product shall be subject to the removal of certification. After the 2nd consecutive failure, the licensee is given 7 days in which to demonstrate to the satisfaction of the Administrator compliance, and if not, certification is automatically withdrawn at the end of the 7-day period.

When any program, audit or quality assurance requirements are found to be in non-compliance, the licensee is sent a request for corrective action giving 30 days in which to demonstrate to the satisfaction of the administrator, compliance with requirements. If the licensee does not respond, a warning of possible removal of authorization to use the SGCC® permanent label is sent giving an additional 30 days to respond. If the licensee does not respond acceptably, authorization to use the SGCC® permanent label is **automatically terminated** at the end of the second 30-day period. (Revised 11/4/2015)

CHALLENGING A CERTIFIED PRODUCT (Deleted 10/1/2014)

COMPLAINTS AND/OR APPEALING A CERTIFIED PRODUCT (11/03/2015)

Negative feedback, from any source, on any aspect of the certification program or program administration that requires a response will be deemed a Complaint that requires a response. A complaint that challenges the conformance of any safety glazing product to program requirements shall be deemed an Appeal, whether by a licensee or by a consumer or other third party. Complaints or Appeals must be in writing and are first handled by the Administrator following the below procedure:

- 1) Complaints and Appeals are logged for tracking.
- 2) Notification of receipt and of the Complaint and Appeal process is sent to the initiating party.
- 3) Information from all involved parties is gathered.
- 4) All information is reviewed, and a determination is made by the Administrator.
- 5) Notification is sent to all involved parties of the outcome.
- 6) All Complaints and Appeals are reviewed in a timely fashion and once resolved are marked as such.

To help determine how to best handle a Complaint or Appeal, they may be categorized by the type of party initiating the Complaint or Appeal, either from a Business (i.e., licensee, competitor, or industry party), Consumer (i.e. end user or retailer), or Program Participant (i.e. participant, supplier, or licensee). The Administrator will discuss and work with the initiating party to determine coverage of costs associated with handling the Complaint or Appeal (this can be waived at the discretion of the Administrator or SGCC President). Once costs are agreed upon, the Administrator will investigate and make a determination. If the Administrator's determination is in favor of the complainant or appellant, then any costs associated will be borne by the involved licensee, SGCC, or the Administrator. If the Administrator disagrees with the complainant or appellant, then the initiating party is responsible for any costs.

Determinations by the Administrator can be contested and if they are, the matter will be sent to the SGCC Quick Action Committee for determination. If the Quick Action Committee's determination is contested, then the matter is sent to the Certification Committee for final determination and resolution. No further appeal is permitted from the decision of the Certification Committee.

WITHDRAWAL OF CERTIFIED PRODUCT

Any product which has been certified by SGCC®, may be voluntarily withdrawn from the Certification Program by a licensee at any time. See G.23 for more information.

COSTS

WHAT DOES THE PROGRAM COST?

The licensee pays, in advance, all projected fees for future routine evaluations to SGCC® on a six-month basis. A licensee is invoiced for each certified item separately listed in the Certified Products Directory.

The certification period is from January 1 - June 30 or July 1 - December 31. The licensee's initial invoice will be determined by the payment schedule as is listed below. All subsequent invoices will be for a full certification period.

<u>DATE</u>	<u>ADMINISTRATIVE/BUSINESS ACCOUNT FEE</u>	<u>TEST FEE</u>
January 1 - March 31	100%	None
April 1 - June 30	50%	None
July 1 - September 30	100%	None
October 1 - December 31	50%	None

Test reports are valid for initial certification if the **report date is within 60 days**. (Revised 11/4/2015)

Initial certification during the first three months of the initial six-month period will require a selection in the first three months of the following six-month certification period.

CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS

LICENSE AGREEMENT

This agreement, incorporating independent program administration and routine periodic independent sampling and evaluation, governs the relationship between SGCC® and the licensee.

Future amendments or revisions to the License Agreement will be recommended by the SGCC® Certification Committee and enacted by the SGCC® Board of Directors.

EFFECTIVE DATE, DURATION AND TERMINATION

The License Agreement, effective from the date of its execution, has a validity of six months (adjustable to a January 1 to June 30 or a July 1 to December 31 basis) and, unless revoked by SGCC® for causes set forth in the document, is automatically renewed for successive additional periods of six months, unless either party gives notice at least 60 days prior to the date of expiration that cancellation is requested.

Upon its proper execution and acceptance by SGCC®, the Pre-issued Certification Number Bond (SD-06) informs a licensee of the certification number of an item to be certified in the future. If the licensee marks production with the certification number prior to actual certification, the bond is forfeited to SGCC®.

Upon its proper execution and acceptance by SGCC®, the test release bond permits the continuation of certification of an item when production facilities are shut down. If the licensee does not notify SGCC® within one week of the resumption of production, the bond is forfeited to SGCC®.

ADMINISTRATIVE SERVICE AGREEMENT

This agreement entered into by SGCC® and AMS governs the relationship between SGCC® and AMS, the independent Administrator. In general, it provides that the Administrator

- a) samples certified products routinely;

- b) has the right to witness any and all testing required by the program;
- c) reviews all test reports in order to determine compliance of the certified product with the applicable specification(s);
- d) inspects and approves all in-plant and test laboratory test facilities for use in this Certification Program (test laboratories are approved by the SGCC® Certification Committee);
- e) publishes (hard copy and/or electronic) the SGCC® Certified Products Directory on or about January 1 and July 1 of each year;
- f) handles all routine clerical duties of SGCC® with respect to certification matters;
- g) acts as SGCC® treasurer, invoices licensees, maintains a bank account, and disburses funds (fiscal reports are made to the SGCC® Certification Committee);
- h) furnishes all testing, except for initial or prototype tests;
- i) attends all scheduled meetings of the SGCC® Certification Committee; and
- j) in all of its actions, acts in the name of SGCC®.

CERTIFIED PRODUCTS DIRECTORY

This directory contains a listing of the certified safety glazing materials of each licensee.

CERTIFICATION LABEL

The certification label, containing a number that refers to the listing in the Certified Products Directory, is permanently affixed to each piece of certified safety glazing material by the licensee. The listing in the directory provides a complete product description including licensee's name, location, etc.

PROGRAM RESPONSIBILITY

The SGCC® Board of Directors has overall responsibility for the well being and acceptance of the Certification Program by industry, building officials and the public. It also bears corporate legal responsibility.

The SGCC® Certification Committee has the responsibility for the general procedure and policy pertaining to the conduct of the Certification Program. As a part thereof, it:

- a) establishes certification "guidelines";
- b) determines, where a question is raised by a licensee or the Administrator, the applicability of the specification(s) in specific situations;
- c) approves testing laboratories;
- d) determines which specifications are to be designated effective for the purposes of product certification and the date or dates on which they become effective; and
- e) recommends to the SGCC® Board of Directors changes to be made in the license agreement.

CERTIFICATION GUIDELINES AND INTERPRETATIONS

For guidance in certifying safety glazing materials, the SGCC® Certification Committee has adopted the following:

GENERAL

G.1

Participation in the Certification Program will be on a January 1 to June 30 and July 1 to December 31 basis.

G.2

Tests for initial compliance of safety glazing materials to ANSI Z97.1 / 16 CFR 1201 plus CAN/CGSB 12.1 will be accepted from any testing laboratory approved by the SGCC® Certification Committee. (Revised 7/1/2016)

G.3 (Deleted 11/4/2015)

G.4

For insulating glass units to be considered safety glazing material, each lite in the construction must be of safety glazing material.

G.5

The SGCC® item number, when used as part of a permanent label, designates the name of the licensee (participant) and also the location of the manufacturing plant.

G.6

- a) All test specimens, except prototype samples, must be marked with the correct SGCC® permanent label prior to testing in order to be considered a valid sample. It is the responsibility of the licensee to ensure the specimens being represented to the Administrator's representative are properly labeled. The Administrator shall construe the absence of a correct permanent label as a failure to comply with the specifications. In such case of noncompliance, Sections a and c of G.11 shall be followed. (Revised 3/16/1990, updated 10/2/2014)
- b) The laboratory shall verify that the label complies with SGCC® labeling requirements. (Revised 10/15/2008)
- c) The testing laboratory is to advise the Administrator of any specimen to which the correct SGCC® permanent label is not affixed. The testing laboratory will be instructed by the Administrator not to test but hold the sample.
- d) The Administrator will inform the licensee of the situation and direct (by letter) the testing laboratory to commence testing no later than 30 days hence. Although this set of samples will already be considered as noncompliant with label requirements, test specification testing will still occur for information only, unless otherwise requested not to be tested by the licensee. Until that time, the testing laboratory is instructed to make these specimens available to the licensee at their convenience (the specimens are to remain at the testing laboratory) in order that the licensee may point out or show them that in fact the SGCC® permanent label is correct or agree that in fact the correct SGCC® permanent label is not present. In cases of any dispute between the licensee and the testing laboratory the decision of the Administrator shall be final. The licensee shall not mark specimens after receipt at the testing laboratory.
- e) Effective with the last of 2016 (L16) certification period, the SGCC® permanent label, if looking to certify ANSI, must contain ANSI Z97.1-2015 in order to be considered a correct permanent label for purposes of Guideline G.6. (Revised 7/1/2016)

G.7

Safety glazing materials for which certification is requested for indoor use only shall be subjected to the provisions of section 4.4 (impact tests) and 5.4.3 (aging tests) of ANSI Z97.1 irrespective of the composition or construction of the glazing material. Like products and materials produced in the same manner as samples

submitted for test shall be legibly and permanently marked in one corner with the words "Indoor Use Only" and the SGCC® identification number (section 6.3.1).

G.8 (Deleted 4/29/2010)

G.9 (Deleted 7/1/2016)

G.10 (Revised 12/7/2018)

In cases where the Administrator samples and identifies specimens for routine evaluation of the licensee's premises or requests licensee's samples when none are available at the time of sampling:

- a) The licensee is permitted six (6) weeks in which to effect delivery of said specimens to the Administrator's designated testing laboratory. For laminated glass, specimens must be the thinnest interlayer and the thinnest product certified in each thickness class (S and/or H) and generic interlayer category.
- b) Failure to act as specified above shall be construed by the Administrator as failure of said specimens to comply with the specifications and the Administrator shall act as provided for in license agreement A.6.

G.11 (Revised 10/2/2014)

In cases where a routine evaluation sample fails to comply with the specifications:

- a) Written notice and an invoice shall be sent to the licensee by the Administrator stating that within 30 days from the date of such notice the licensee must submit a retest (RT) sample to the testing laboratory selected by the licensee with the concurrence of the Administrator.

Certification shall be removed if the sample and payment are not received within the allotted 30 days or if the sample submitted fails to comply with the specifications.

- b) All costs related to G.11 are to be borne by the licensee.
- c) If the retest procedure is required, all routine inspections and sample selections will continue. However, routine testing for the next period will be suspended pending the outcome of the retest procedure. If the product is decertified, the prepaid fee for routine testing for the next period (but not the Administrative and Contingency fees) will be refunded.

G.12

If a licensee who manufactures or contracts for the manufacture of a certified product outside the United States and Canada feels that in a particular instance that he will be unable to act as provided for in paragraph (a) of SGCC® Guideline G.11, he should notify the Administrator. The Administrator will then contact the chairman of the certification committee for a decision as to what action is to be taken.

G.13 (Deleted 5/6/1999)

G.14

The semi-annual invoicing date for certification fees shall be April 1 and October 1 of each year and the Administrator is instructed to take those steps necessary to remove certification from licensees for failure of payment. (Modified 10/20/1989)

The Administrator shall initiate de-certification procedures on products for a given licensee's failure to pay any monies due to SGCC® within 60 days of invoice date. (Reference License Agreement A.2, A.7, A.12, and B.6.)

The invoice procedures will be as follows:

- a) Semi-Annual SGCC® invoices will be mailed/emailed on or before April 1 and October 1 of each year. Payment is due May 1 and November 1 respectively.

- b) For all overdue invoices, as of May 1 and November 1, a phone call will be made as a reminder and to ensure that the licensee received the invoice. An email will follow the phone call.
- c) For all overdue invoices, as of May 15 and November 15, an email will be sent warning of de-certification if payment is not received within 15 days.
- d) Letters of de-certification will be sent fifteen (15) days from the warning notification if payment is not received. With de-certification, a licensee will no longer be an SGCC® participant and all of its certified products will be de-certified and will not appear in the CPD.

G.15 (Deleted 10/2/2014)

G.16

The nominal thickness designations in SGCC® authorized permanent labels for safety glazing materials may be shown in metric units. The thickness will be expressed in millimeters, limited to one decimal place, and will have the suffix "mm." (Revised 4/19/2004)

G.17 (Deleted 7/1/2016)

G.18

Certified and permanently labeled safety glazing materials such as laminated glass, rigid plastic, or organic coated glass, may be cut into smaller pieces by a distributor or installer after manufacture and it is not practical for each smaller piece to bear a manufacturer's permanent label when finally installed in a building. When this is the case, the distributor or installer shall apply a permanent label to each piece which states his name and certifies that he cut the piece from material that was properly labeled in accordance with the requirements of SGCC® (refer to "SGCC® Label Requirements" for additional information). (Revised 10/25/2001) For the purpose of this guideline, a permanent label is defined as one that will remain permanently legible and would be destroyed in attempts to remove it from the product.

G.19 (Deleted 10/20/1989)

G.20 (Deleted 4/26/2007)

G.21

A pre-issued SGCC® certification number shall be issued by the Administrator upon receipt of a properly executed License Agreement and a properly executed *New Licensee Application & Pre-Issued Number Form (SD-06)* (application). The application must be completed for any new safety glazing product(s) (prototype) the fabricator submits for testing. If the fabricator requests pre-issued certification number(s) and does so with the understanding that these numbers (SGCC Mark/label) will not be applied to any product(s) until authorization to do so by SGCC®. The fabricator will not be authorized to use the number(s) until testing, final approval and formal certification is complete. (Revised 7/1/2016)

G.22

In the case of plastics and organic coated glass certification of a patterned product may be extended to cover other patterns provided:

- a) The nominal thickness of the proposed alternate and all aspects other than pattern are the same as the certified product.
- b) The Administrator of the certification program is provided with a copy of a prototype test from an approved laboratory, showing satisfactory compliance with the impact requirements of ANSI Z97.1 for each alternate pattern proposed.
- c) The certification committee is provided with a 6 inch by 6 inch sample of each proposed alternate for its record and file. This must be sent to the Administrator of the certification program.

After admission under blanket certification covering patterned products, any such patterns available may be selected by the Administrator for routine sampling and testing.

In the case where a routine evaluation sample covered under a blanket certification fails to comply with the specifications, the situation requires that the particular product be submitted for the retest (RT) sample required by Guideline G.11. (Revised 7/1/2016)

G.23

There may be instances when a production facility is temporarily inoperative. This could be caused by, but not limited to, equipment repair or replacement, labor difficulties, energy or material shortages, or economic considerations. Consequently, samples for routine testing may not be available for long periods. The licensee may desire to retain certification during the shutdown period by applying for inactive (IN) status. This shall be done as follows:

- a) Prior to or within two (2) weeks after the shutdown, the licensee shall inform the SGCC® Administrator in writing.
- b) The SGCC® Administrator will immediately supply the licensee with test release bond forms (SD-23) for submission by the licensee. A separate bond shall be submitted for each certified product affected.
- c) Within two (2) weeks, after receipt of the bond forms, the licensee shall submit them to the SGCC® Administrator.
- d) During the period covered by the bond the licensee shall retain certification, contingent upon payment of normal certification fees and meeting all other licensee obligations. Bonds will be for a specific certification period and will expire at the end of that certification period but may be renewed by the licensee any number of times. Renewal is an obligation of the licensee and requires all steps listed herein. (Revised 10/25/2001)
- e) Within one (1) week after re-activation of the production facility the licensee shall 1) notify the SGCC® Administrator in writing, and 2) submit samples from the first weeks production to an SGCC® approved laboratory for testing. In cases where more than one certified product is produced with the same equipment, samples of each must be furnished for testing within the first month. These will be considered as the routine samples for retesting for the six months period during which they are submitted.
- f) Failure of the licensee to comply with any of the preceding shall be the basis for removal of certification from the affected products.

G.24

When a licensee's production equipment will not produce a size of 34 inches by 76 inches and the licensee wishes to certify a) a size whose smaller dimension exceeds 34 inches, material shall be tested whose smaller dimension is 34 inches, or b) a size whose larger dimension exceeds 76 inches, material shall be tested whose larger dimension is 76 inches.

G.25 (Deleted 7/1/2016)

G.26

Any label that can be removed intact shall not be considered permanent and is not acceptable to SGCC®.

G.27

A licensee at time of prototype submission should determine if certification shall be for ANSI / CPSC (Composite) OR Composite plus CAN/CGSB 12.1 (COMP+CAN). The licensee shall be issued only one SGCC® number for composite certification for each product. The licensee will submit four (4) samples to be impact tested to ANSI Z97.1 and CAN/CGSB 12.1 (for all specimens that are not symmetrical from surface to surface an equal number of specimens shall be impacted on each side). If any one specimen of the composite sample fails, the entire composite sample will be considered to have failed to comply with the standards. (Revised 7/1/2016)

G.28

The Administrator shall construe noncompliance with thickness tolerance as a failure to comply with the specifications. In such cases of noncompliance, Sections a, b and c of G.11 shall be followed. (Revised 10/2/2014)

G.29

For the purposes of certification, the thickness requirements of Standard ASTM C1036, CEN or other nationally or internationally recognized thickness specifications shall apply. In all cases label information must be accurate for the nominal thickness of the applicable Standard. An indicator shall be used to identify Standards other than ASTM C1036 (e.g., EN for European Norm). If no indicator is used, the product will be assumed to comply with ASTM C1036. (Revised 10/15/2008) (See *Certified Products Key*)

G.30 (Deleted 10/5/2004)

G.31 (Deleted 10/5/2004)

G.32 (Deleted 7/1/2016)

G.33

If a manufacturing plant for which a product is certified is sold, the new owner or licensee must take the following steps to maintain certification:

- a) Notify the Administrator in writing of the sale as soon as possible (and in no event later than 60 days) after the sale;
- b) Execute a new license agreement, if the new owner is not already a licensee; and
- c) Exercise the option of maintaining the original licensee's SGCC® number(s) or requesting new numbers. If the new owner chooses to keep the existing number(s), the logo on the certified product must clearly distinguish it from the previous owners.

The Administrator shall arrange for the next routine sampling to take place within six (6) months of the sale. If the plant is temporarily inoperative in connection with the sale, the provisions of G.23 shall also apply.

G.34

Samples of any shape or shape altering process such as notches or holes shall be covered by the certification of the base rectangular product. Certification to "U" unlimited size may be any size. Certification to "L" limited size requires that the shape must fit within the outline of the largest certified size. (Added 4/26/2007)

G.35

Once certified by SGCC®, a product is assigned an exclusive certification number to identify it and the plant at which it is made/fabricated. An SGCC Licensee shall notify SGCC prior to a plant's physical relocation. Relocation requires certification as a new plant and will require new SGCC numbers and testing at the new plant prior to granting of the new certification. Consistent with the SGCC License agreement and procedural guide, fabrication and labelling must occur at the same facility. (Added 10/10/2019)

CERTIFICATION OF TEMPERED COATED GLASS (Added 9/29/2021)

In order to SGCC certify tempered glass with a metalized coating (MC) that is applied to annealed glass prior to tempering (reflective, Low E, other), test results for the MC glass must be initially provided to SGCC. MC testing must then occur at least annually thereafter to maintain the MC designation for a particular thickness of product. Testing of MC product will satisfy SGCC regular testing requirements (likely one MC test and one non-MC test annually). Certification of an MC product shall cover coated and non-coated product of a given thickness. See Guideline T.3 for further clarification.

Testing shall be with a sputter coating (soft coat) or a pyrolytic (hard coat), at the discretion of the SGCC Licensee. Testing of any coated product shall cover all coated product. During regular twice per year inspections SGCC shall document the generic class of coating to submit (Sputter or Pyrolytic). The plant shall

ship product with the coating identified (as a minimum 'Soft Coat' or 'Hard Coat') (likely by paper label), and the testing laboratory shall measure/validate the coating with the use of a coated glass meter (List of acceptable meters available in the SGCC Laboratory Manual). The presence of a coating shall be included in the SGCC test report.

Listings (certifications) for Tempered coated glass shall begin with the July 1st, 2022 certification cycle (L22).

TEMPERED TRANSPARENT GLASS

T.1

Certification of either flat glass or patterned glass will not cover the other except as noted in Guideline T.2. (Flat glass designates ground and polished plate, float and sheet glass.) (Revised 7/1/2016)

T.2

Polished plate glass and the rough glass blank from which it is produced will be considered to be of equal nominal thickness. Certification of tempered flat glass will therefore be interpreted as including tempered rough plate blank.

T.3

Certification of non-coated tempered glass will also cover the items below, of the same nominal thickness where the coating does not alter substantially the post-breakage behavior of the glass substrate.

- Tinted
- Non-metalized surface coating (such as ceramic material applied as a continuous or partial coating to one or more surfaces)
- Post tempered metalized coating

A "substantial alteration" is one that would render the tempered glass in non-conformance with the applicable safety glazing standards. For SGCC certified tempered glass with a metalized coating (MC), as defined in section Certification of Tempered Coated Glass, the metalized coated product must be tested initially and then at least annually thereafter. An SGCC "MC" designation per nominal thickness will be authorized for product in compliance. Products with the MC designation shall cover coated or non-coated product. See section **Certification of Tempered Coated Glass** of the procedural guide. (Revised 9/29/2021)

T.4

In cases where certified glass is normally not available for sampling, the licensee may make an overrun (of four lights of prototype size that are to be marked with the date of production) when the item is in normal production, and these will be accepted by the Administrator if other samples are not available. Otherwise, when production samples are not available, the Administrator shall notify the licensee to submit prototype size samples to the Administrator within six (6) weeks.

T.5

Certification of any nominal thickness of tempered safety float or sheet glass will also cover the other types. ANSI Z97.1, 16 CFR 1201 and CAN/CGSB 12.1 do not require the permanent label on tempered safety glass to specify which type of glass is used. Nor is it required that the test specimens be identified in this regard. (Revised 10/10/2012)

T.6

Bent Glass shall be certified separately from flat glass. Bent glass test methods shall be the same as for flat sample testing except as referenced in the text and figures of the ANSI Z97.1 standard. Interpretation of results shall be the same. (Revised 10/21/2005)

T.7

For purposes of impact test evaluation when breakage occurs, the average thickness of a tempered glass specimen containing grooves, bevels and other thickness altering fabrication shall be considered the average of the thinnest measurement of each of the ten (10) geometrically largest particles. This average thickness will then be used to determine the maximum allowable weight of the ten (10) largest particles. Upon successful completion of testing the thickness for the specimen shall be listed in the CPD as the thickness of the non-fabricated base glass. SGCC® views glue chip, beveling, grooving, and acid etching as a fabrication

process prior to tempering, and as such is not certified separately from the base glass thickness. (Example: Certification of 3/16" TTG would also cover 3/16" glue chip or beveled product.) (Revised 10/01/2002)

TEMPERED PATTERNED GLASS

TP.1

For the purposes of certification, the nominal thickness of patterned, figured, or rough rolled glass are the common fractions found in ASTM C1036 or other nationally or internationally recognized thickness standards and the thickness should be measured in accordance with the procedure as described in ASTM C1036, current revision. The permanent label must contain this fraction on a metric or decimal dimension within the tolerance of this thickness as published in ASTM C1036 or other nationally or internationally recognized thickness standards. (Revised 7/1/2016)

The patterns in each thickness will be classified as to the ratio of minimum to maximum thickness as follows:

<u>Patterned Depth Class</u>	<u>Ratio</u>
Shallow patterned glass	0.90 or above
Medium patterned glass	0.80 through 0.89
Deep patterned glass	0.79 or below

Certification will be by nominal thickness and patterned depth class. Any pattern in a certified thickness and patterned depth class is certified.

New or unlisted patterns must be submitted to the pattern subcommittee for classification and file prior to certification. After measurement, the new pattern will be assigned to a patterned depth class. (See *Classified Tempered Glass Patterns Key* table in this directory).

Certification of deep also covers medium and shallow patterns of the same nominal thickness.

Certification of medium also covers shallow patterns of the same nominal thickness.

TP.2

The maximum thickness shall be recorded when measuring the thickness of patterned glass.

TP.3

For tempered patterned glass, one (1) specimen must be weighed and the weight of ten (10) square inches determined from the weight, width and height of that specimen to use for test purposes.

TP.4 (Deleted 10/5/2004)

TP.5

When medium patterned glass is not available for routine sampling, the licensee submitted specimens must be a medium pattern (a shallow pattern is not acceptable).

TP.6

When deep patterned glass is not available for routine sampling, the licensee submitted specimens must be a deep pattern (shallow or medium patterns are not acceptable).

LAMINATED GLASS

L.1

Initial certification of Laminated Glass - Testing must be performed on each nominal thickness of at least one brand of each generic category of interlayer material for which SGCC® certification is desired. Ongoing certification shall be by two thickness classes (S=Standard (<0.292 inches) and H=Heavy (0.292 inches and greater)) and per generic category of interlayer. A list of accepted interlayer brands per generic category shall be maintained by SGCC® (SGCC® List of Accepted Interlayers can be found at www.sgcc.org) Certification to one brand within the generic category will allow switching to other brands within the generic category on

the list. (see "Guidance for the SGCC® Certification of Laminated Glass" available at www.sgcc.org) (Added 4/2/2008)

- L.2 (Deleted 12/7/2018)
- L.3 (Deleted 4/2/2008)
- L.4 (Deleted 12/7/2018)

L.5

Laminated safety glass shall be identified and certified by two (2) types, Laminated Transparent Glass (LTG) and Laminated Specialty Product (LSP).

- a) Laminated Transparent Glass (LTG) is defined as two (2) or more lites of glass with the same family of polymer (interlayer(s)) between the lites.
- b) Laminated Specialty Product (LSP) is defined as two (2) or more lites of glass or other material with multiple interlayers, same or different family, with an insert (other layer of sheeting or non-continuous material) encapsulated in between the interlayers.

For Laminated glass changes and equivalency see **Table L1**. (Revised 12/7/2018)

Laminated Glass Equivalency (Table L1)		
As inserts are referenced below, there shall be no adverse reaction of inserts with accepted interlayers. Fabricator maintains sole responsibility for establishing compatibility, durability and retention of impact properties for all materials used in any laminated composite or encapsulated interlayer system.		
Change Categories	Equivalent Changes	Not Equivalent Changes
Interlayer generic category	Different brand of same generic category (see guideline L.11)	Different generic category
Interlayer thickness	Increase in interlayer thickness (As long as overall thickness remains within range of certified product).	Decrease in interlayer thickness (maximum allowable minus tolerance of 0.005 inches)
Glass/glazing	Flat, patterned or bent glass	Change from glass to plastic or plastic to glass
Glass fabrication	(A, HS, T, CS) See guideline L.8	N/A
Dimensional tolerances (Glass and Interlayer)	(See Guideline L.1 and L.7)	N/A
Inserts or changes in material of plies or inserts (generic make-up)	If insert is encapsulated and interlayer is accepted and of the minimum thickness of acceptance on each side of the insert	If insert is not encapsulated, or interlayer is not accepted or of minimum thickness on each side of insert
Additional layers of same type	Increase in layers (As long as overall thickness remains within range of certified product).	Decrease in layers
Coatings or Color (interlayer or glazing)	Changes in tint, translucence, or coated glass	N/A
Decorative pattern (not to be confused with patterned glass)	Changes in decorative pattern (glass or inserts), follow direction for change of insert	Lower than tested minimum interlayer thickness on either side of the insert or non-accepted interlayer
Electronics, plastics or other devices	Encapsulates, Follow requirements for accepted interlayer and minimum thickness on both sides of inserts	Lower than tested minimum interlayer thickness on either side of the insert or non-accepted interlayer

L.6

Thickness of the interlayer shall be measured by the SGCC® standard method. (Revised 4/2/2008)

L.7

Nominal thickness for laminated glass has been expanded from standard ASTM C1036 values to eliminate "gaps" in ranges. For certification purposes, the following thickness tolerances shall be used. Thickness tolerance shall apply only to the overall thickness. Interlayer thickness shall be reported. The reported value shall be used to determine "nominal" thickness of the interlayer, with a maximum allowable minus tolerance of 0.005 inches. (Revised 11/4/2015)

<u>mm</u>	<u>Range (mm)</u>	<u>Traditional (in)</u>	<u>Range (in)</u>
3.0	2.92 – 3.78	1/8	0.115 – 0.148
4.0	3.79 – 4.57	5/32	0.149 – 0.179
5.0	4.58 – 5.56	3/16	0.180 – 0.218
6.0	5.57 – 7.41	1/4	0.219 – 0.291
8.0	7.42 – 9.01	5/16	0.292 – 0.354
10.0	9.02 – 11.91	3/8	0.355 – 0.468
12.0	11.92 – 15.11	1/2	0.469 – 0.594
16.0	15.12 and greater	5/8	0.595 and greater

L.8

Laminated glass shall be certified by its base glass heat treating/fabrication process (A= annealed, HS= heat strengthened, T= tempered, CS= chemical strengthened). When a laminated annealed glass (A) is tested and certified, other laminated glasses having the same nominal thickness or thicknesses of heat strengthened (HS), tempered glass (T), or chemical strengthened (CS) and the same or greater thickness of interlayer of the same generic category will be considered to be included in the certification. Testing of heat strengthened (HS) will only certify heat strengthened (HS) and tempered (T). Testing of tempered (T) will only certify tempered (T). Testing of chemical strengthened (CS) will only certify chemical strengthened (CS). (Revised 12/7/2018)

L.9 (Deleted 12/7/2018)

L.10

For certification to ANSI Z97.1, weathering tests on laminated glasses shall be performed on the thinnest construction of all components in clear glass with clear interlayer. Weathering tests shall only be required initially. Weathering data will be accepted from the glass fabricator, or a supplier, i.e. interlayer manufacturer. Since SGCC's acceptance of weathering data is a "one-time" event, no formal weathering lab approval will be required. However, at time of weathering data submittal, the weathering test facility shall submit an explanation why they are competent to perform such tests. Justification of competence shall be judged on any facility's history and experience. (Revised 1/30/2012)

L.11

An SGCC® certified participant may use any interlayer supplier on the SGCC® Accepted interlayer List of the same generic category. (Added 4/2/2008)

WIRED GLASS (ANSI ONLY)

W.1 (Deleted 11/4/2015)

PLASTICS - GENERAL (ANSI Only)

P.1

Certification of one tint or color of rigid plastic will also cover other tints, colors, flat configurations, or bent and formed configurations.

P.2

For certifying all plastics covering a range of thicknesses, prototype impact tests are required of the minimum thickness and also of the maximum thickness (except that 0.250 inch thickness would be tested if the maximum thickness exceeds 0.250 inches). Only one certification number will be issued and shall be marked upon all thicknesses. Routine evaluation samples are to be selected by the Administrator from any of the certified thicknesses.

P.3

The following thickness tolerances shall be used for certification purposes:

- Outdoor use plastic materials Categories C-1 and C-2 cast Acrylic, (including continuously cast sheet): As specified in ASTM-D4802-16, Table 2 and Table 3.
- Outdoor use plastic materials Categories M-1 and M-2 extruded Acrylic: As specified in ASTM-D4802-16 Table 2 plus or minus five percent.
- Outdoor use plastic materials extruded polycarbonate: As specified in Military Specification MILP-46144, latest issue.
- Indoor use plastic materials plus or minus five percent of nominal thickness.

P.4

The maximum thickness shall be recorded when measuring the thickness of patterned plastics.

P.5

Certification of either smooth plastic or patterned plastic will not cover the other.

PLASTICS - EXTERIOR USE (ANSI Only)

PE.1 (ANSI ONLY)

Sheet plastics for exterior use must comply with the applicable specification.

PE.2

Certification of plastics for exterior use shall be permitted prior to completion of ANSI Z97.1 weathering tests (section 5.4) provided that a considered expert opinion states that the infrared spectrogram indicates that the plastic is an acrylic or UV, inhibited polycarbonate of proven weatherability. Certification shall be removed if compliance with the weathering test is not demonstrated within six months of the certification date.

PE.3

For all plastics requiring UV weathering tests, an infrared spectrogram shall be obtained of all prototype weathering specimens. An infrared spectrogram shall be obtained of all routine evaluation samples and shall be compared with that of the prototype in lieu of conducting weathering test. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

PE.4

When initial Charpy unnotched specimens do not break, then notched specimens shall be used for both initial and exposed Charpy impact testing. The specimens shall be notched prior to UV exposure and the notched surface shall be exposed to the UV.

PLASTICS - INDOOR USE ONLY (ANSI ONLY)

PI.1

Sheet plastics used in indoor applications only do not have to comply with paragraph 5.4.1 of ANSI Z97.1 (UV Weathering) but must comply with paragraph 5.4.3.

PI.2

The permanent label authorized by SGCC® must include "Indoor Use Only."

PI.3

For all indoor plastics requiring aging tests, an infrared spectrogram shall be obtained of all prototype aging specimens. An infrared spectrogram shall be obtained of all routine re-evaluation samples and shall be compared with that of the prototype in lieu of conducting aging tests. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

LEADED PATTERNED ANNEALED GLASS – (ANSI ONLY)

LG.1 (Deleted 4/26/2007)

LG.2 (Deleted 4/26/2007)

LG.3 (Deleted 4/26/2007)

ORGANIC COATED GLASS

AG.1

Thickness of the applied plastic coating shall be measured by the SGCC® standard method. When testing to the impact test criteria in 16 CFR 1201.4(a)(1), four specimens shall be tested or as noted in guideline G.27. (Revised 10/22/1993).

AG.2

The SGCC® authorized permanent label, which complies with Guideline G.26, must be imprinted upon or applied to a surface of the plastic for all plastic coated annealed glasses.

AG.3 (ANSI ONLY)

Prototype test shall be conducted on bent specimens of the surface area at least 50 percent of the maximum size for which certification is desired. Routine tests may be conducted on flat or bent specimens. The test apparatus shall be modified to clamp the vertical straight edges and to support the concave side for the curved edges. Two specimens shall have organic coating on the concave surface and two on the convex surface. Impact shall be on the convex surface.

AG.4

For certification to ANSI Z97.1, weathering tests on organic coated glasses shall be performed on the thinnest construction of all components in clear glass with clear plastics. Weathering tests shall only be required initially. Weathering data will be accepted from the glass fabricator, or a supplier, i.e. organic coating manufacturer.

VACUUM INSULATING GLASS (VIG)

See most recent memo “VIG ANSI Interpretation and Information” at www.sgcc.org or contact the SGCC office.

CHEMICALLY STRENGTHENED SAFETY GLASS (CSSG)

See most recent “ASC Z97 Technical Interpretation (TI-2018.1017.001)” at www.sgcc.org or contact the SGCC office.

SGCC® ADVERTISING GUIDELINES

The following concepts are important to remember if you are a participant or licensee in the SGCC Certification Program or a distributor of safety glazing materials. This discussion is intended to provide you with an accurate background description of the SGCC Certification Program to help you avoid making possibly misleading, deceptive, or ambiguous statements regarding the program in the advertising of your products.

1) SGCC is a non-profit organization that maintains a third-party certification program which provides for the certification of safety glazing materials found to be in compliance with either ANSI Z-97.1-2015 or 16 CFR 1201 or both, or both plus CAN/CGSB 12.1. Products are not certified by SGCC unless and until a test to the applicable specification(s) conducted at an approved testing laboratory indicates compliance and the license contract requirements are met. (Revised 10/10/2012)

2) Once certified by SGCC, a product is assigned an exclusive certification number to identify it and the plant at which it is made. After which, to ensure continued adherence to the specification(s), SGCC independently selects, at least twice in each year, samples from the manufacturer or from the market place to be tested to the applicable specification(s). Consequent to a test result showing compliance with the applicable specification(s), SGCC authorizes the continued use of the certification number and its listing in the SGCC's Certified Products Directory.

3) To maintain certification, SGCC also requires licensees to have a working Quality Assurance program for the fabrication of safety glazing materials. Compliance to QA requirements is validated at the first SGCC plant inspection after products are certified, and adherence is verified thereafter at each twice per year plant visit.

4) To buyers, specifiers, code officials, and users, the SGCC certification label offers the licensee assurance that its safety glazing material has been produced in conformance to ANSI Z-97.1-2015, 16 CFR 1201 and/or CAN/CGSB 12.1. (Revised 10/10/2012)

5) The SGCC Administrator audits laboratories and checks their equipment, audits licensees' production and fabrication of specimens, and validates test reports and certification claims. The Administrator periodically checks and reports on compliance of the products having the SGCC certification label with the applicable specification(s).

6) SGCC-approved laboratories test specimens to specific test methods and specifications referenced by SGCC.

7) SGCC does not have "members" insofar as the term "members" connotes that some detailed criteria must be met in order to participate in the organization. Under the SGCC by-laws, any person or organization (other than a glazing manufacturer) that has a legitimate interest in the purposes of SGCC may become a participant. Manufacturers, on the other hand, become participants by virtue of executing a License Agreement with SGCC. Any manufacturer of safety glazing may voluntarily enter into a License Agreement with SGCC, provided that they intend to certify at least one product under the SGCC Certification Program. Thus, the proper term to use for a manufacturer is "participant" or "Licensee."

8) The following are examples of possible advertising language that licensees might wish to use:

- a) Our company is a licensee of the Safety Glazing Certification Council (SGCC).
- b) We submit our tempered/laminated glass products for certification through the SGCC program.
- c) Our tempered/laminated glass products that are certified by SGCC as meeting the SGCC certification program are listed in the SGCC's Certified Products Directory.
- d) Our tempered/laminated glass products that are certified by SGCC are indicated by the SGCC logo and certification number permanently marked on our products. (Added 10/26/2010)

9) **ANSI Disclaimer

Although the SGCC Program is ANSI-accredited and uses the ANSI accreditation symbol on its publicity material the SGCC-certified Licensee cannot use the ANSI trademark nor the ANSI accreditation symbol, this includes its products, packaging, stationary, letterhead, or any other form of media.

SGCC® LABEL REQUIREMENTS (Revised 7/1/2016)

GENERAL

Unless the SGCC® certification label is permanently affixed to each piece of safety glazing material, it is not covered by the SGCC® certification program, and unless a specific standard (ANSI, CPSC, CAN/CGSB) is included in the label, the product is not certified to that standard. (Revised 10/10/2012))

The permanent label must contain the correct SGCC® number, ANSI Z97.1-2015 and/or 16 CFR 1201 and/or CAN/CGSB 12.1 (and category), the nominal thickness, (see SGCC® Guideline G.29 for international thickness standards), the letter U or L indicating certified size and the ANSI impact class (A or B). (Revised 7/1/2016)

At the discretion of the SGCC® participant, for laminated glass, the actual thickness **AND/OR** thickness class (S, H) may appear on the label. (Added 1/1/2009)

These requirements are minimum requirements for SGCC® Certification. It is the licensee’s responsibility to determine if other jurisdictions, standards and codes have additional requirements such as type of glass. (Revised 10/17/2007)

For labeling purposes, a **line of demarcation** shall separate those specifications covered by the SGCC® number from any other specifications the licensee may wish to reference. For laminated products used in "Indoor Use Only" applications where no weathering data is on file with SGCC, the permanent label must include "Indoor Use Only." The SGCC® number can be used to identify both the “supplier” and “place of fabrication”. Refer to SGCC® Guideline G.5 (Revised 10/21/2005)

The permanent label must be affixed to certified products ONLY at the time and place of manufacture (except for situations covered by Guideline G.18 and as stated below.) (Revised 10/25/2001)

EXAMPLES OF LABELS CERTIFIED TO ALL THREE STANDARDS

<u>In inches</u>	<u>In mm</u>	<u>Laminated example</u>
ABC Glass – Plant A (optional)	ABC Glass – Plant A (optional)	ABC Glass – Plant A (optional)
16 CFR 1201 II	16 CFR 1201 II	16 CFR 1201 II
ANSI Z97.1-2015	ANSI Z97.1-2015	ANSI Z97.1-2015
CAN/CGSB 12.1-2017	CAN/CGSB 12.1-2017	CAN/CGSB 12.1-2017
1/4 U A SGCC 9999	6mm U A SGCC 9999	(S) U A SGCC 9999

Labeling of Cut Sheet Safety Glazing (refer to Guideline G.18) (Added 10/25/2001)

When a distributor or installer wishes to include the SGCC® label on pieces of safety glazing cut from properly fabricated, labeled, and SGCC® certified product, the following shall apply:

- 1.) The designation “C/F” for “Cut From” shall appear in front of the SGCC® number.
- 2.) The distributor or installer must have written permission to do so from the primary SGCC® certified producer. This written permission should address such issues as label accountability and application, differentiation between multi-source suppliers and a time frame or scope of labeling.
- 3.) Since SGCC® shall have no formal relationship with the distributor or installer, proper application and use of the SGCC® label shall be the responsibility of the SGCC® licensee producing the product.
- 4.) If the SGCC® label is not used, SGCC® has no jurisdiction.

EXAMPLES

<u>SGCC® Licensee or Primary Producer</u>	<u>Authorized Distributor or Installer</u>
Company ABC (optional)	Company XYZ (optional)
Laminated Glass (optional)	Laminated Glass (optional)
ANSI Z97.1-2015	ANSI Z97.1-2015
16 CFR 1201 CII	16 CFR 1201 CII
SGCC 9999 6mm U A	C/F SGCC 9999 6mm U A

The permanent label must be affixed ONLY to safety glazing materials of the licensee which are certified in the SGCC® certification program.

The permanent label must not be sold, transferred, or otherwise disposed of in any manner other than being affixed to the licensee’s certified product.

The permanent label must NOT be affixed to any product from which certification has been withdrawn or which is produced with a process basically different from the one used to manufacture the initial or prototype samples.

ANSI ONLY LABEL

"After having successfully passed the appropriate tests in this standard, like products and materials produced in the same manner as specimens submitted per test shall be legibly and permanently marked with a label."

Label Content.

The label shall contain the following information:

- 1) Supplier's name, distinctive mark or designation.
- 2) The words "American National Standard Z97.1-2015" or the characters "ANSI Z97.1-2015."
- 3) Classification of test size (L or U) and drop height class (A, B). Plastic glazing does not require drop height.
- 4) Place of fabrication (if fabricator has more than one location fabricating the product).

NOTE: Additional details and information, such as thickness and date of manufacture, are permitted.
Quoted from ANSI Z97.1. (Revised 1/1/2011)

Organic-Coated Glass Only.

"Organic-coated glass materials shall be legibly and permanently marked with the words "Glaze This Side In," to indicate to the installer, inspector, or user which side of the organic-coated glass should be exposed to the elements if there is a specific side that should be exposed." Quoted from ANSI Z97.1. (Revised 10/21/2005)

CPSC ONLY LABEL

"Any glazing material that for accelerated environmental durability tests meets only the requirements of 1201.4 (e)(ii)(c) entitled Plastic (indoor service) shall bear the statement 'INDOOR USE ONLY' as a part of the permanent label." Quoted from 16 CFR 1201.

"Organic-coated glass that has been tested for environmental exposure from one side only must bear a permanent label on the coating stating 'GLAZE THIS SIDE IN' and shall bear in the central 50 percent of the surface in letters at least 3" (inches) high: 'SEE PERMANENT LABEL FOR IMPORTANT MOUNTING INSTRUCTIONS.' The latter message shall be attached to either side of the glazing by any means which shall ensure the message will remain in place until installation." Quoted from 16 CFR 1201.

CPSC ACT LABELING REQUIREMENTS

The following information is provided for the guidance of the licensee and is not a requirement of the SGCC® Certification Program.

The Consumer Product Safety Act defines a private labeler and permits private labeling as long as a manufacturer is identified, which can be in code. A "private labeler" means an owner of a brand or trademark on the label of a consumer product, which bears a private label.

Pursuant CPSC Advisory Opinion, dated April 12, 1984, a label on the material or product is acceptable as a certificate of compliance meeting the requirements of the CPSC if the label contains the same information required of a certificate of compliance. This information must include the date of manufacture, the place of manufacture, and the name of the manufacturer, importer, or private labeler. The certificate of compliance may also be a separate document, which accompanies the material or product or is otherwise furnished to each distributor or retailer.

With respect to the CPSC requirement that the certificate of compliance name the manufacturer, a label meets that requirement if it includes a suitable identification of the manufacturer of the product (unless the product bears a private label), in which case it shall identify the private labeler and shall also contain a code mark which shall permit the seller of such product to identify the manufacturer thereof to the purchaser upon his request.

As set forth in SGCC® certification guideline G.5, the SGCC® number designates the name of the licensee and also the location of the manufacturing plant, however, it does not designate the date of manufacture.

Certified Products-Alphabetical By Plant

SGCC#	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC#	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
24 Hour Thermal Glass Insulated Ltd. ; Concord, ON:						3557	COMPOSITE	5/16	8.0 TTG		U A
6918	COMPOSITE	5/32	4.0 TTG		U A	3560	COMPOSITE	(H)	8-16+ LTG (b)(A)	(.030)	U A
6919	COMPOSITE	3/16	5.0 TTG		U A	3558	COMPOSITE	3/8	10.0 TTG		U A
6920	COMPOSITE	1/4	6.0 TTG		U A	4590	COMPOSITE	1/2	12.0 TTG		U A
3 Form ; Kernersville, NC:						3976	COMPOSITE	*	15.0 TTG (4)		U A
8085	COMP+CAN	5/32	4.0 TTG		U A	3977	COMPOSITE	3/4	19.0 TTG		U A
5026	COMP+CAN	1/4	6.0 TTG		U A	Al Andalus Glass Factory Co. ; Riyadh, Riyadh:					
5210	COMP+CAN	3/8	10.0 TTG		U A	7486	COMPOSITE	1/4	6.0 TTG		U A
5211	COMP+CAN	1/2	12.0 TTG		U A	7487	COMPOSITE	1/2	12.0 TTG		U A
A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY ; Riyadh, Saudi Arabia:						7488	COMPOSITE	(H)	12 LTG (b)(A)	(.030)	U A
7269	COMP+CAN	1/4	6.0 TTG		U A	Aldora Aluminum and Glass Products Inc. ; Charleston, SC:					
7276	COMP+CAN	5/16	8.0 TTG		U A	4328	COMPOSITE	1/8	3.0 TTG		U A
7278	COMP+CAN	(H)	8-16+ LTG (b)(T)	(.045)	U A	4330	COMPOSITE	3/16	5.0 TTG		U A
7277	COMP+CAN	*	12.0 TTG (7)		U A	4331	COMPOSITE	1/4	6.0 TTG		U A
Accurate Glass Products ; Barrie, Ontario:						4337	COMPOSITE	(H)	8, 12 LTG (lu)(A)	(.060)	U A
7672	COMP+CAN	3/16	5.0 TTG		U A	4335	COMPOSITE	3/8	10.0 TTG		U A
7418	COMP+CAN	1/4	6.0 TTG		U A	4336	COMPOSITE	1/2	12.0 TTG		U A
7419	COMP+CAN	5/16	8.0 TTG		U A	Aldora Aluminum and Glass Products, Inc. ; Austell, GA:					
7420	COMP+CAN	3/8	10.0 TTG		U A	7307	COMPOSITE	1/8	3.0 TTG		U A
7421	COMP+CAN	1/2	12.0 TTG		U A	7308	COMPOSITE	3/16	5.0 TTG		U A
Ace Safety Glass Co., Ltd. ; Jeollabuk-Do:						7309	COMPOSITE	1/4	6.0 TTG		U A
8237	COMP+CAN	1/8	3.0 TTG	34x3	A	7310	COMPOSITE	3/8	10.0 TTG		U A
8426	COMP+CAN	5/32	4.0 TTG	34x34	A	7311	COMPOSITE	1/2	12.0 TTG		U A
Advanced Design Manufacturing ; Antioch, CA:						7851	COMPOSITE	3/4	19.0 TTG		U A
6685	COMPOSITE	1/4	6.0 TTG		U A	Aldora Aluminum and Glass Products, Inc. ; Coral Springs, FL:					
6686	COMPOSITE	3/8	10.0 TTG		U A	7643	COMPOSITE	3/16	5.0 TTG		U A
Advanced Impact Technologies ; Largo, FL:						7644	COMPOSITE	1/4	6.0 TTG		U A
7374	COMP+CAN	1/8	3.0 TTG		U A	7645	COMPOSITE	3/8	10.0 TTG		U A
7375	COMP+CAN	3/16	5.0 TTG		U A	7646	COMPOSITE	1/2	12.0 TTG		U A
7376	COMP+CAN	1/4	6.0 TTG		U A	7648	COMPOSITE	(H)	12 LTG (lu)(HS)(6)	(.090)	U A
7434	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	7647	COMPOSITE	5/8	16.0 TTG		U A
7377	COMP+CAN	3/8	10.0 TTG		U A	Aldora Aluminum and Glass Products, Inc. ; Orlando, FL:					
7435	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.030)	U A	5574	COMPOSITE	1/8	3.0 TTG		U A
7378	COMP+CAN	1/2	12.0 TTG		U A	5575	COMPOSITE	3/16	5.0 TTG		U A
AdvanTec ; Chilliwack, BC:						5576	COMPOSITE	1/4	6.0 TTG		U A
7463	COMPOSITE	5/32	4.0 TTG		U A	6428	COMPOSITE	(H)	8 LTG (b)(A)	(.060)	U A
7464	COMPOSITE	3/16	5.0 TTG		U A	6429	COMPOSITE	(H)	8 LTG (ip)(A)	(.060)	U A
7465	COMPOSITE	1/4	6.0 TTG		U A	5579	COMPOSITE	3/8	10.0 TTG		U A
7466	COMPOSITE	5/16	8.0 TTG		U A	5577	COMPOSITE	1/2	12.0 TTG		U A
7467	COMPOSITE	3/8	10.0 TTG		U A	All Counties Glass ; Stockton, CA:					
7468	COMPOSITE	1/2	12.0 TTG		U A	6409	COMP+CAN	1/8	3.0 TTG		U A
7469	COMPOSITE	*	15.0 TTG (4)		U A	6410	COMP+CAN	5/32	4.0 TTG		U A
7470	COMPOSITE	3/4	19.0 TTG		U A	6411	COMP+CAN	3/16	5.0 TTG		U A
AGNORA LTD ; Collingwood, ON:						6412	COMP+CAN	1/4	6.0 TTG		U A
4883	COMP+CAN	1/4	6.0 TTG		U A	6413	COMP+CAN	5/16	8.0 TTG		U A
4885	COMP+CAN	3/8	10.0 TTG		U A	6414	COMP+CAN	3/8	10.0 TTG		U A
4884	COMP+CAN	1/2	12.0 TTG		U A	6415	COMP+CAN	1/2	12.0 TTG		U A
4886	COMP+CAN	(H)	12+ LTG (b)(A)	(.030)	U A	All Team Glass & Mirror, Ltd. ; Woodbridge, ON Canada:					
AJJ Glass Products Co., Ltd ; Xiamen, Fujian:						8218	COMP+CAN	5/32	4.0 TTG		U A
8331	COMP+CAN	3/8	10.0 TTG		U A	1755	COMP+CAN	3/16	5.0 TTG		U A
8332	COMP+CAN	*	12.0 TTG (3)		U A	1756	COMP+CAN	1/4	6.0 TTG		U A
8334	COMP+CAN	(H)	16+ LTG (b)(A)	(.030)	U A	2790	COMP+CAN	5/16	8.0 TTG		U A
8335	COMP+CAN	(H)	16+ LTG (ip)(A)	(.060)	U A	1757	COMP+CAN	3/8	10.0 TTG		U A
AKMA LLC ; Saint-Petersburg, St.Petersburg:						1758	COMP+CAN	1/2	12.0 TTG		U A
7838	COMP+CAN	1/4	6.0 TTG		U A	4355	COMP+CAN	5/8	16.0 TTG		U A
8182	COMP+CAN	5/16	8.0 TTG		U A	3656	COMP+CAN	3/4	19.0 TTG		U A
8183	COMP+CAN	3/8	10.0 TTG		U A	Allglass Tempering Inc. ; Schiller Park, IL:					
7839	COMP+CAN	(H)	12-16+ LTG (b)(A)	(.030)	U A	5835	COMPOSITE	5/32	4.0 TTG		U A
Al Abbar Architectural Glass ; Dubai, United Arab Emirates:						5836	COMPOSITE	3/16	5.0 TTG		U A
4846	COMPOSITE	3/16	5.0 TTG		U A	5837	COMPOSITE	1/4	6.0 TTG		U A
3556	COMPOSITE	1/4	6.0 TTG		U A	5838	COMPOSITE	3/8	10.0 TTG		U A
						7764	COMPOSITE	(H)	10-12 LTG (ev)(A)	(.060)	U A
						5839	COMPOSITE	1/2	12.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC#	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC#	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
Aluminum Manufacturers Co. Ltd - ALUMATEC ; Jeddah, Saudi Arabia:						7779	COMP+CAN	3/16	5.0 TTG		U A
6151	COMP+CAN	1/4	6.0 TTG		U A	7780	COMP+CAN	1/4	6.0 TTG		U A
6152	COMP+CAN	5/16	8.0 TTG		U A	7781	COMP+CAN	5/16	8.0 TTG		U A
6891	COMP+CAN	3/8	10.0 TTG		U A	7782	COMP+CAN	3/8	10.0 TTG		U A
7346	COMP+CAN	*	12.0 TTG (3)		U A	7783	COMP+CAN	1/2	12.0 TTG		U A
6892	COMP+CAN	(H)	12 LTG (b)(A)	(.030)	U A	Ant-Cam Pazarlama A.S. ; Antalya, Dosemealti:					
Aluminum Technology Auxiliary Industries ; Doha, Qatar:						8046	COMPOSITE	(H)	16+ LTG (ip)(A)	(.035)	U A
7197	COMPOSITE	1/4	6.0 TTG		U A	8047	COMPOSITE	(H)	16+ LTG (b)(A)	(.030)	U A
7198	COMPOSITE	5/16	8.0 TTG		U A	Anthony International ; Madison, GA:					
5084	COMPOSITE	3/8	10.0 TTG		U A	3249	COMPOSITE	1/8	3.0 TTG		U A
5212	COMPOSITE	*	12.0 TTG (3)		U A	3027	COMPOSITE	5/32	4.0 TTG		U A
American Glass Tempering and Fabricators, Inc. ; Houston, TX:						6099	COMPOSITE	5/32	4.0 TBG		U A
8385	COMPOSITE	1/8	3.0 TTG		U A	2306	COMPOSITE	3/16	5.0 TBG		U A
8406	COMPOSITE	5/32	4.0 TTG		U A	2352	COMPOSITE	3/16	5.0 TTG		U A
8386	COMPOSITE	3/16	5.0 TTG		U A	2307	COMPOSITE	1/4	6.0 TBG		U A
8387	COMPOSITE	1/4	6.0 TTG		U A	2353	COMPOSITE	1/4	6.0 TTG		U A
8388	COMPOSITE	3/8	10.0 TTG		U A	5234	COMPOSITE	5/16	8.0 TTG		U A
8389	COMPOSITE	1/2	12.0 TTG		U A	2453	COMPOSITE	3/8	10.0 TTG		U A
8390	COMPOSITE	3/4	19.0 TTG		U A	Anthony International ; San Fernando, CA:					
American Insulated Glass ; Dallas, NC:						520	COMPOSITE	1/8	3.0 TTG		U A
3859	COMPOSITE	1/8	3.0 TTG		U A	2289	COMPOSITE	5/32	4.0 TTG		U A
3860	COMPOSITE	5/32	4.0 TTG (IN)		U A	999	COMPOSITE	3/16	5.0 TTG		U A
3861	COMPOSITE	3/16	5.0 TTG		U A	1000	COMPOSITE	1/4	6.0 TTG		U A
3862	COMPOSITE	1/4	6.0 TTG		U A	Architectural Glass Products, LLC. ; St. Louis, MO:					
3863	COMPOSITE	3/8	10.0 TTG		U A	4571	COMPOSITE	1/8	3.0 TTG		U A
3864	COMPOSITE	1/2	12.0 TTG		U A	4572	COMPOSITE	3/16	5.0 TTG		U A
American Insulated Glass LLC. ; Plymouth Township, MI:						4574	COMPOSITE	3/16	5.0 TPG (s)		U A
7834	COMPOSITE	1/8	3.0 TTG		U A	4573	COMPOSITE	1/4	6.0 TTG		U A
7875	COMPOSITE	1/8	3.0 TPG (s)		U A	Arlene Stained Glass & Door ; Houston, TX:					
8131	COMPOSITE	5/32	4.0 TTG		U A	5127	COMPOSITE	1/8	3.0 TTG		U A
7835	COMPOSITE	3/16	5.0 TTG		U A	3585	COMPOSITE	5/32	4.0 TPG (d)		U A
7876	COMPOSITE	3/16	5.0 TPG (s)		U A	3583	COMPOSITE	3/16	5.0 TTG		U A
7836	COMPOSITE	1/4	6.0 TTG		U A	3584	COMPOSITE	1/4	6.0 TTG		U A
7837	COMPOSITE	3/8	10.0 TTG		U A	Arrow Mirror & Glass, Inc. ; Houston, TX:					
American Insulated Glass, LLC ; Conley, GA:						8213	COMPOSITE	1/4	6.0 TTG		U A
5283	COMPOSITE	1/8	3.0 TTG		U A	8214	COMPOSITE	3/8	10.0 TTG		U A
5288	COMPOSITE	1/8	3.0 TPG (s)		U A	8215	COMPOSITE	1/2	12.0 TTG		U A
5284	COMPOSITE	3/16	5.0 TTG		U A	ArtVue Glass ; Sarasota, FL:					
5289	COMPOSITE	3/16	5.0 TPG (m)		U A	7445	COMPOSITE	(H)	10-16+ LTG (ev)(A)	(.060)	U A
5285	COMPOSITE	1/4	6.0 TTG		U A	7968	COMPOSITE	(H)	12 LTG (ip)(A)	(.035)	U A
5286	COMPOSITE	3/8	10.0 TTG		U A	Ascent Glass Products (Zhong Shan) Limited ; Zhongshan City, Guangdong Province:					
5287	COMPOSITE	1/2	12.0 TTG		U A	7929	COMPOSITE	5/32	4.0 TTG		U A
American Insulated Glass, LLC ; Ijamsville, MD:						7930	COMPOSITE	3/16	5.0 TTG		U A
8098	COMPOSITE	3/16	5.0 TTG		U A	7931	COMPOSITE	1/4	6.0 TTG		U A
8099	COMPOSITE	1/4	6.0 TTG		U A	7932	COMPOSITE	5/16	8.0 TTG		U A
6144	COMPOSITE	3/8	10.0 TTG		U A	7933	COMPOSITE	3/8	10.0 TTG		U A
6145	COMPOSITE	1/2	12.0 TTG		U A	ATI Windows ; Riverside, CA:					
American Shower Door ; Los Angeles, CA:						5635	COMPOSITE	1/8	3.0 TTG		U A
3039	COMPOSITE	1/4	6.0 TTG		U A	5639	COMPOSITE	1/8	3.0 TPG (s)		U A
3042	COMPOSITE	1/4	6.0 TPG (s)		U A	5636	COMPOSITE	5/32	4.0 TTG		U A
3040	COMPOSITE	3/8	10.0 TTG		U A	7995	COMPOSITE	5/32	4.0 TPG (m)		U A
3043	COMPOSITE	3/8	10.0 TPG (s)		U A	5637	COMPOSITE	3/16	5.0 TTG		U A
3041	COMPOSITE	1/2	12.0 TTG		U A	5638	COMPOSITE	1/4	6.0 TTG		U A
Amsco Windows ; Salt Lake City, UT:						8057	COMPOSITE	3/8	10.0 TTG		U A
2578	COMPOSITE	1/8	3.0 TTG		U A	8058	COMPOSITE	1/2	12.0 TTG		U A
2582	COMPOSITE	1/8	3.0 TPG (m)		U A	Auna Glass S.L. ; La Sentiu, Cataluna, Spain:					
4643	COMPOSITE	5/32	4.0 TTG (IN)		U A	8245	COMPOSITE	1/4	6.0 TTG		U A
2580	COMPOSITE	3/16	5.0 TTG		U A	8246	COMPOSITE	5/16	8.0 TTG		U A
2584	COMPOSITE	3/16	5.0 TPG (m)		U A	8247	COMPOSITE	3/8	10.0 TTG		U A
2581	COMPOSITE	1/4	6.0 TTG		U A	8248	COMPOSITE	1/2	12.0 TTG		U A
Anhui Dahe Mirror Enterprise Co. LTD. ; Anhui, China:						8249	COMPOSITE	(H)	12-16+ LTG (b)(A)	(.015)	U A
7778	COMP+CAN	1/8	3.0 TTG		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE	ANSI	SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE	ANSI
		(THICKNESS CLASS)		CERTIFIED	CLASS			(THICKNESS CLASS)		CERTIFIED	CLASS
Basco Engineered Products ; Hamilton, OH:						4519	COMPOSITE	1/4	6.0 TTG		U A
4139	COMPOSITE	1/8	3.0 TTG		U A	6407	COMPOSITE	5/16	8.0 TTG		U A
4724	COMPOSITE	3/16	5.0 TTG		U A	4520	COMPOSITE	3/8	10.0 TTG		U A
8106	COMPOSITE	3/16	5.0 TPG (m)		U A	4521	COMPOSITE	1/2	12.0 TTG		U A
3810	COMPOSITE	1/4	6.0 TTG		U A	5174	COMPOSITE	5/8	16.0 TTG		U A
4689	COMPOSITE	1/4	6.0 TPG (s)		U A	5175	COMPOSITE	3/4	19.0 TTG		U A
3811	COMPOSITE	3/8	10.0 TTG		U A	Bronco Industries, Inc. ; Delta, BC:					
5203	COMPOSITE	3/8	10.0 TPG (m)		U A	6973	COMP+CAN	1/8	3.0 TTG		U A
3812	COMPOSITE	1/2	12.0 TTG		U A	5871	COMP+CAN	5/32	4.0 TTG		U A
5076	COMPOSITE	3/4	19.0 TTG		U A	6974	COMP+CAN	3/16	5.0 TTG		U A
Bazhou hua Biao Furniture Co., Ltd. ; Bazhou, Hebei:						5366	COMP+CAN	1/4	6.0 TTG		U A
7193	COMP+CAN	3/16	5.0 TTG		U A	5367	COMP+CAN	3/8	10.0 TTG		U A
7194	COMP+CAN	1/4	6.0 TTG		U A	5368	COMP+CAN	1/2	12.0 TTG		U A
7195	COMP+CAN	5/16	8.0 TTG		U A	6972	COMP+CAN	3/4	19.0 TTG		U A
7196	COMP+CAN	3/8	10.0 TTG		U A	Bronx Westchester Tempering Inc. ; Mount Vernon, NY:					
Beijing Northglass Technologies Co. Ltd ; Beijing, China:						7412	COMPOSITE	3/16	5.0 TTG		U A
6668	COMP+CAN	1/4	6.0 TTG		U A	7413	COMPOSITE	1/4	6.0 TTG		U A
6669	COMP+CAN	5/16	8.0 TTG		U A	7414	COMPOSITE	3/8	10.0 TTG		U A
7562	COMP+CAN	3/8	10.0 TTG		U A	7415	COMPOSITE	1/2	12.0 TTG		U A
6677	COMP+CAN	(H)	12-16+ LTG (b)(T)	(.060)	U A	7416	COMPOSITE	5/8	16.0 TTG		U A
Beijing Wuhua Tianbao Glass Co. ; Beijing, China:						7417	COMPOSITE	3/4	19.0 TTG		U A
6903	COMP+CAN	5/32	4.0 TTG		U A	Burhani Glass Factory, LLC ; Dubai, UAE:					
6904	COMP+CAN	3/16	5.0 TTG		U A	8111	COMPOSITE	1/4	6.0 TTG		U A
6905	COMP+CAN	1/4	6.0 TTG		U A	8112	COMPOSITE	5/16	8.0 TTG		U A
6906	COMP+CAN	5/16	8.0 TTG		U A	8113	COMPOSITE	3/8	10.0 TTG		U A
7762	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	8114	COMPOSITE	1/2	12.0 TTG		U A
7763	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A	8115	COMPOSITE	H	12.0 LTG (b)(A)	(.060)	U A
6907	COMP+CAN	3/8	10.0 TTG		U A	BVGLAZING SYSTEMS ; Concord, ON:					
6908	COMP+CAN	*	12.0 TTG (4)		U A	6134	COMP+CAN	5/32	4.0 TTG		U A
6909	COMP+CAN	*	15.0 TTG (4)		U A	6135	COMP+CAN	3/16	5.0 TTG		U A
6910	COMP+CAN	3/4	19.0 TTG		U A	6139	COMP+CAN	3/16	5.0 TPG (s)		U A
Bel Pre Glassworks Inc. ; Rockville, MD:						6136	COMP+CAN	1/4	6.0 TTG		U A
6320	COMPOSITE	1/8	3.0 TTG		U A	6137	COMP+CAN	5/16	8.0 TTG		U A
6321	COMPOSITE	3/16	5.0 TTG		U A	6138	COMP+CAN	3/8	10.0 TTG		U A
6322	COMPOSITE	1/4	6.0 TTG		U A	7694	COMP+CAN	1/2	12.0 TTG		U A
6711	COMPOSITE	3/8	10.0 TTG		U A	C&C Custom Glass & Tempering, LLC ; Tulsa, OK:					
6324	COMPOSITE	1/2	12.0 TTG		U A	6854	COMPOSITE	5/32	4.0 TTG		U A
6325	COMPOSITE	3/4	19.0 TTG		U A	6962	COMPOSITE	5/32	4.0 TPG (s)		U A
Bel Shower Door Corporation ; Englewood, CO:						6855	COMPOSITE	3/16	5.0 TTG		U A
6470	COMP+CAN	3/16	5.0 TTG		U A	6861	COMPOSITE	3/16	5.0 TPG (s)		U A
6474	COMP+CAN	3/16	5.0 TPG (m)		U A	6856	COMPOSITE	1/4	6.0 TTG		U A
6471	COMP+CAN	1/4	6.0 TTG		U A	6857	COMPOSITE	5/16	8.0 TTG		U A
6472	COMP+CAN	3/8	10.0 TTG		U A	6858	COMPOSITE	3/8	10.0 TTG		U A
6473	COMP+CAN	1/2	12.0 TTG		U A	6862	COMPOSITE	3/8	10.0 TPG (s)		U A
Bendheim Wall Systems ; Wunsiedel-Holenbrunn, Bavaria:						6859	COMPOSITE	1/2	12.0 TTG		U A
2570	COMPOSITE	*	6.0 TBG (2)		20x76 A	6860	COMPOSITE	3/4	19.0 TTG (IN)		U A
5145	COMPOSITE	*	6.0 TBP (s)(2)		22x76 A	Cameron Glass, Inc. ; Broken Arrow, OK:					
2569	COMPOSITE	*	7.0 TBG (2)		16x76 A	4832	COMP+CAN	1/8	3.0 TTG		U A
5144	COMPOSITE	*	7.0 TBP (d)(2)		16x76 A	2501	COMP+CAN	3/16	5.0 TTG		U A
BG Glass Technologies Inc. ; Barrie, Ontario:						2455	COMP+CAN	1/4	6.0 TTG		U A
8137	COMP+CAN	5/32	4.0 TTG		U A	2032	COMP+CAN	3/8	10.0 TTG		U A
8138	COMP+CAN	3/16	5.0 TTG		U A	2033	COMP+CAN	1/2	12.0 TTG		U A
8139	COMP+CAN	1/4	6.0 TTG		U A	Camyapi Cam Paz. Ins. Taah. Tic.ve San. Ltd. Sti ; Kocaeli, Dilovasi:					
8140	COMP+CAN	3/8	10.0 TTG		U A	8279	COMP+CAN	1/4	6.0 TTG		U A
8141	COMP+CAN	1/2	12.0 TTG		U A	8280	COMP+CAN	5/16	8.0 TTG		U A
Blackline Aluminum Systems ; Markham, ON:						8281	COMP+CAN	3/8	10.0 TTG		U A
8117	COMP+CAN	5/32	4.0 TTG		U A	8282	COMP+CAN	1/2	12.0 TTG		U A
8118	COMP+CAN	3/16	5.0 TTG		U A	8283	COMP+CAN	(H)	12-16+ LTG (A)(b)	(.060)	U A
8119	COMP+CAN	1/4	6.0 TTG		U A	Cardinal CG ; Buford, GA:					
8120	COMP+CAN	3/8	10.0 TTG		U A	1921	COMP+CAN	1/8	3.0 TTG		U A
Blue Star Glass Inc. ; North Brunswick, NJ:						2146	COMP+CAN	1/8	3.0 TPG (s)		U A
6782	COMPOSITE	5/32	4.0 TTG		U A	1922	COMP+CAN	5/32	4.0 TTG		U A
4518	COMPOSITE	3/16	5.0 TTG		U A	1923	COMP+CAN	3/16	5.0 TTG		U A
						4599	COMP+CAN	3/16	5.0 TPG (s)		U A

Certified Products-Alphabetical By Plant

SGCC#	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC#	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
1924	COMP+CAN	1/4	6.0 TTG		U A	2705	COMP+CAN	3/16	5.0 TPG (m)		U A
Cardinal CG ; Galt, CA:						2702	COMP+CAN	1/4	6.0 TTG		U A
2357	COMPOSITE	1/8	3.0 TTG		U A	Cardinal CT ; Adel, GA:					
3599	COMPOSITE	1/8	3.0 TPG (s)		U A	5095	COMP+CAN	1/8	3.0 TTG		U A
2358	COMPOSITE	5/32	4.0 TTG		U A	5098	COMP+CAN	1/8	3.0 TPG (d)		U A
4347	COMPOSITE	5/32	4.0 TPG (d)		U A	5096	COMP+CAN	5/32	4.0 TTG		U A
2359	COMPOSITE	3/16	5.0 TTG		U A	5099	COMP+CAN	5/32	4.0 TPG (d)		U A
3601	COMPOSITE	3/16	5.0 TPG (m)		U A	5097	COMP+CAN	3/16	5.0 TTG		U A
2360	COMPOSITE	1/4	6.0 TTG		U A	5100	COMP+CAN	3/16	5.0 TPG (d)		U A
Cardinal CG ; Loveland, CO:						5364	COMP+CAN	1/4	6.0 TTG		U A
3579	COMPOSITE	1/8	3.0 TTG		U A	6174	COMP+CAN	1/4	6.0 TPG (s)		U A
4343	COMPOSITE	1/8	3.0 TPG (s)		U A	6842	COMP+CAN	5/16	8.0 TTG		U A
3580	COMPOSITE	5/32	4.0 TTG		U A	6172	COMP+CAN	3/8	10.0 TTG		U A
4344	COMPOSITE	5/32	4.0 TPG (d)		U A	6516	COMP+CAN	3/8	10.0 TPG (s)		U A
3581	COMPOSITE	3/16	5.0 TTG		U A	6173	COMP+CAN	1/2	12.0 TTG		U A
4345	COMPOSITE	3/16	5.0 TPG (m)		U A	Cardinal CT ; Casa Grande, AZ:					
3555	COMPOSITE	1/4	6.0 TTG		U A	2878	COMP+CAN	1/8	3.0 TTG		U A
5720	COMPOSITE	1/4	6.0 TPG (d)		U A	4103	COMP+CAN	1/8	3.0 TPG (m)		U A
8060	COMPOSITE	5/16	8.0 TTG		U A	2879	COMP+CAN	5/32	4.0 TTG		U A
Cardinal CG ; Mazomanie, WI:						4104	COMP+CAN	5/32	4.0 TPG (d)		U A
4780	COMP+CAN	1/8	3.0 TTG		U A	2880	COMP+CAN	3/16	5.0 TTG		U A
4781	COMP+CAN	5/32	4.0 TTG		U A	4105	COMP+CAN	3/16	5.0 TPG (m)		U A
5306	COMP+CAN	3/16	5.0 TTG		U A	2881	COMP+CAN	1/4	6.0 TTG		U A
4783	COMP+CAN	1/4	6.0 TTG		U A	Cardinal CT ; Dixon, CA:					
6552	COMP+CAN	5/16	8.0 TTG		U A	2842	COMPOSITE	1/4	6.0 TTG		U A
Cardinal CG ; Moreno Valley, CA:						Cardinal CT ; Easton, PA:					
2293	COMP+CAN	1/8	3.0 TTG		U A	4756	COMP+CAN	1/8	3.0 TTG		U A
5335	COMP+CAN	1/8	3.0 TPG (s)		U A	4759	COMP+CAN	1/8	3.0 TPG (m)		U A
2294	COMP+CAN	5/32	4.0 TTG		U A	4757	COMP+CAN	5/32	4.0 TTG		U A
2295	COMP+CAN	3/16	5.0 TTG		U A	4760	COMP+CAN	5/32	4.0 TPG (s)		U A
5336	COMP+CAN	3/16	5.0 TPG (m)		U A	4758	COMP+CAN	3/16	5.0 TTG		U A
2296	COMP+CAN	1/4	6.0 TTG		U A	6143	COMP+CAN	3/16	5.0 TPG (m)		U A
Cardinal CG ; Northfield, MN:						5842	COMP+CAN	1/4	6.0 TTG		U A
1985	COMP+CAN	1/8	3.0 TTG		U A	Cardinal CT ; Fort Worth, TX:					
2011	COMP+CAN	1/8	3.0 TPG (s)		U A	7317	COMPOSITE	1/8	3.0 TTG		U A
1986	COMP+CAN	5/32	4.0 TTG		U A	7321	COMPOSITE	1/8	3.0 TPG (m)		U A
2012	COMP+CAN	5/32	4.0 TPG (d)		U A	7318	COMPOSITE	5/32	4.0 TTG		U A
1987	COMP+CAN	3/16	5.0 TTG		U A	7323	COMPOSITE	5/32	4.0 TPG (m)		U A
2013	COMP+CAN	3/16	5.0 TPG (m)		U A	7319	COMPOSITE	3/16	5.0 TTG		U A
1988	COMP+CAN	1/4	6.0 TTG		U A	7322	COMPOSITE	3/16	5.0 TPG (m)		U A
4775	COMP+CAN	5/16	8.0 TTG		U A	7320	COMPOSITE	1/4	6.0 TTG		U A
4137	COMP+CAN	3/8	10.0 TTG		U A	Cardinal CT ; Los Angeles, CA:					
6534	COMP+CAN	1/2	12.0 TTG		U A	5085	COMP+CAN	1/8	3.0 TTG		U A
Cardinal CG ; Spring Green, WI:						5088	COMP+CAN	1/8	3.0 TPG (s)		U A
2067	COMP+CAN	1/8	3.0 TTG		U A	5086	COMP+CAN	5/32	4.0 TTG		U A
2071	COMP+CAN	1/8	3.0 TPG (s)		U A	5087	COMP+CAN	3/16	5.0 TTG		U A
2068	COMP+CAN	5/32	4.0 TTG		U A	5089	COMP+CAN	3/16	5.0 TPG (s)		U A
2069	COMP+CAN	3/16	5.0 TTG		U A	5991	COMP+CAN	1/4	6.0 TTG		U A
6802	COMP+CAN	3/16	5.0 TPG (m)		U A	Cardinal CT ; Mount Airy, NC:					
2070	COMP+CAN	1/4	6.0 TTG		U A	4578	COMP+CAN	1/8	3.0 TTG		U A
5281	COMP+CAN	5/16	8.0 TTG		U A	4581	COMP+CAN	1/8	3.0 TPG (s)		U A
Cardinal CG ; Tumwater, WA:						4579	COMP+CAN	5/32	4.0 TTG		U A
2007	COMP+CAN	1/8	3.0 TTG		U A	4742	COMP+CAN	5/32	4.0 TPG (s)		U A
2954	COMP+CAN	1/8	3.0 TPG (s)		U A	4580	COMP+CAN	3/16	5.0 TTG		U A
2008	COMP+CAN	5/32	4.0 TTG		U A	4582	COMP+CAN	3/16	5.0 TPG (s)		U A
6723	COMP+CAN	5/32	4.0 TPG (d)		U A	8134	COMP+CAN	1/4	6.0 TTG		U A
2009	COMP+CAN	3/16	5.0 TTG		U A	Cardinal CT ; Utica, OH:					
2956	COMP+CAN	3/16	5.0 TPG (m)		U A	4620	COMP+CAN	1/8	3.0 TTG		U A
2010	COMP+CAN	1/4	6.0 TTG		U A	4623	COMP+CAN	1/8	3.0 TPG (m)		U A
Cardinal CG ; Waxahachie, TX:						4621	COMP+CAN	5/32	4.0 TTG		U A
2699	COMP+CAN	1/8	3.0 TTG		U A	4624	COMP+CAN	5/32	4.0 TPG (m)		U A
2700	COMP+CAN	5/32	4.0 TTG		U A	4622	COMP+CAN	3/16	5.0 TTG		U A
4047	COMP+CAN	5/32	4.0 TPG (m)		U A	4625	COMP+CAN	3/16	5.0 TPG (m)		U A
2701	COMP+CAN	3/16	5.0 TTG		U A	5479	COMP+CAN	1/4	6.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
Cardinal FG ; Durant, OK:						Cardinal IG ; Mountain Top, PA:					
2909	COMP+CAN	1/8	3.0 TTG		U A	3068	COMP+CAN	1/8	3.0 TTG		U A
2910	COMP+CAN	5/32	4.0 TTG		U A	3073	COMP+CAN	1/8	3.0 TPG (m)		U A
2911	COMP+CAN	3/16	5.0 TTG		U A	3069	COMP+CAN	5/32	4.0 TTG		U A
2912	COMP+CAN	1/4	6.0 TTG		U A	3115	COMP+CAN	5/32	4.0 TPG (s)		U A
Cardinal FG ; Greenland, TN:						Cardinal IG ; Ocala, FL:					
587	COMP+CAN	1/8	3.0 TPG (s)		U A	3070	COMP+CAN	3/16	5.0 TTG		U A
598	COMP+CAN	1/8	3.0 TTG		U A	3072	COMP+CAN	3/16	5.0 TPG (m)		U A
955	COMP+CAN	5/32	4.0 TTG		U A	3071	COMP+CAN	1/4	6.0 TTG		U A
2980	COMP+CAN	5/32	4.0 TPG (m)		U A	Cardinal IG ; Spring Hill, KS:					
220	COMP+CAN	3/16	5.0 TTG		U A	1702	COMP+CAN	1/8	3.0 TTG		U A
1139	COMP+CAN	3/16	5.0 TPG (s)		U A	1703	COMP+CAN	5/32	4.0 TTG		U A
89	COMP+CAN	1/4	6.0 TTG		U A	1704	COMP+CAN	3/16	5.0 TTG		U A
4046	COMP+CAN	5/16	8.0 TTG		U A	1705	COMP+CAN	1/4	6.0 TTG		U A
90	COMP+CAN	3/8	10.0 TTG		U A	Cardinal IG ; Buckeye, AZ:					
Cardinal FG ; Spring Hill, KS:						Cardinal IG ; Spring Green, WI:					
1702	COMP+CAN	1/8	3.0 TTG		U A	1831	COMP+CAN	1/8	3.0 TTG		U A
1703	COMP+CAN	5/32	4.0 TTG		U A	1844	COMP+CAN	1/8	3.0 TPG (s)		U A
1704	COMP+CAN	3/16	5.0 TTG		U A	1845	COMP+CAN	5/32	4.0 TPG (m)		U A
1705	COMP+CAN	1/4	6.0 TTG		U A	5910	COMP+CAN	5/32	4.0 TTG		U A
Cardinal IG ; Fargo, ND:						Cardinal IG ; Tomah, WI:					
2231	COMP+CAN	1/8	3.0 TPG (s)		U A	2317	COMP+CAN	1/8	3.0 TTG		U A
2235	COMP+CAN	1/8	3.0 TTG		U A	2321	COMP+CAN	1/8	3.0 TPG (m)		U A
2234	COMP+CAN	5/32	4.0 TTG		U A	2318	COMP+CAN	5/32	4.0 TTG		U A
2285	COMP+CAN	5/32	4.0 TPG (m)		U A	2322	COMP+CAN	5/32	4.0 TPG (d)		U A
2233	COMP+CAN	3/16	5.0 TTG		U A	2319	COMP+CAN	3/16	5.0 TTG		U A
2286	COMP+CAN	3/16	5.0 TPG (s)		U A	2323	COMP+CAN	3/16	5.0 TPG (d)		U A
2232	COMP+CAN	1/4	6.0 TTG		U A	2320	COMP+CAN	1/4	6.0 TTG		U A
7067	COMP+CAN	5/16	8.0 TTG		U A	6069	COMP+CAN	5/16	8.0 TTG		U A
Cardinal IG ; Fremont, IN:						Cardinal IG ; Vinton, VA:					
2176	COMP+CAN	1/8	3.0 TTG		U A	2919	COMP+CAN	1/8	3.0 TTG		U A
2203	COMP+CAN	1/8	3.0 TPG (s)		U A	2923	COMP+CAN	1/8	3.0 TPG (s)		U A
2177	COMP+CAN	5/32	4.0 TTG		U A	2920	COMP+CAN	5/32	4.0 TTG		U A
2204	COMP+CAN	5/32	4.0 TPG (m)		U A	2924	COMP+CAN	5/32	4.0 TPG (d)		U A
2178	COMP+CAN	3/16	5.0 TTG		U A	2921	COMP+CAN	3/16	5.0 TTG		U A
2205	COMP+CAN	3/16	5.0 TPG (s)		U A	3619	COMP+CAN	3/16	5.0 TPG (s)		U A
2179	COMP+CAN	1/4	6.0 TTG		U A	2922	COMP+CAN	1/4	6.0 TTG		U A
Cardinal IG ; Greenfield, IA:						Cardinal IG ; Waxahachie, TX:					
1827	COMP+CAN	1/8	3.0 TTG		U A	2328	COMP+CAN	1/8	3.0 TTG		U A
1841	COMP+CAN	1/8	3.0 TPG (s)		U A	2397	COMP+CAN	1/8	3.0 TPG (m)		U A
1828	COMP+CAN	5/32	4.0 TTG		U A	2329	COMP+CAN	5/32	4.0 TTG		U A
1842	COMP+CAN	5/32	4.0 TPG (d)		U A	4091	COMP+CAN	5/32	4.0 TPG (d)		U A
1829	COMP+CAN	3/16	5.0 TTG		U A	2330	COMP+CAN	3/16	5.0 TTG		U A
1843	COMP+CAN	3/16	5.0 TPG (s)		U A	2399	COMP+CAN	3/16	5.0 TPG (m)		U A
1830	COMP+CAN	1/4	6.0 TTG		U A	2331	COMP+CAN	1/4	6.0 TTG		U A
5435	COMP+CAN	5/16	8.0 TTG		U A	Cardinal LG ; Amery, WI:					
Cardinal IG ; Hood River, OR:						Cardinal IG ; Waxahachie, TX:					
2831	COMP+CAN	1/8	3.0 TTG		U A	2976	COMP+CAN	(S)	5-6 LTG (b)(A)	(.030)	U A
2857	COMP+CAN	1/8	3.0 TPG (s)		U A	4120	COMP+CAN	(S)	5 LTG (b)(A)	(.015)(C1)	U B
2858	COMP+CAN	5/32	4.0 TTG		U A	4350	COMP+CAN	(S)	5-6 LTG (ip)(A)	(.035)	U A
4836	COMP+CAN	5/32	4.0 TPG (d)		U A	4841	COMP+CAN	1/4	6.0 TTG		U A
2833	COMP+CAN	3/16	5.0 TTG		U A	4351	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
2859	COMP+CAN	3/16	5.0 TPG (m)		U A	4842	COMP+CAN	5/16	8.0 TTG		U A
2834	COMP+CAN	1/4	6.0 TTG		U A	2462	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
7926	COMP+CAN	5/16	8.0 TTG		U A	4843	COMP+CAN	3/8	10.0 TTG		U A
						4844	COMP+CAN	1/2	12.0 TTG		U A
						6484	COMP+CAN	5/8	16.0 TTG (IN)		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
8336	COMP+CAN	(H)	16+ LSP (b)(A)	.060X2 ECX1	U A	5352	COMPOSITE	5/32	4.0 TTG		U A
Cardinal LG ; Statesboro, GA:						5353	COMPOSITE	3/16	5.0 TTG		U A
2314	COMP+CAN	3/16	5.0 TTG		U A	5354	COMPOSITE	1/4	6.0 TTG		U A
2310	COMP+CAN	1/4	6.0 TTG		U A	Changshu Xingfu Glass Building Material Co., LTD ; Changshu, Jiangsu, China:					
7591	COMP+CAN	1/4	6.0 LTG (b)(A)	(.030)	U A	4657	COMP+CAN	1/8	3.0 TTG		U A
4720	COMP+CAN	5/16	8.0 TTG		U A	5151	COMP+CAN	5/16	8.0 TTG		U A
4779	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	5152	COMP+CAN	3/8	10.0 TTG		U A
2311	COMP+CAN	3/8	10.0 TTG		U A	Changshu ZhongXin Building Materials Co., Ltd. ; Changshu, Jiangsu, China:					
Cardinal LG Northeast ; Jessup, PA:						2432	COMP+CAN	1/8	3.0 TTG		U A
7496	COMP+CAN	1/8	3.0 TTG		U A	6191	COMP+CAN	5/32	4.0 TTG		U A
7497	COMP+CAN	5/32	4.0 TTG		U A	6475	COMP+CAN	3/16	5.0 TTG		U A
7498	COMP+CAN	3/16	5.0 TTG		U A	6499	COMP+CAN	1/4	6.0 TTG		U A
5224	COMP+CAN	(S)	5-6 LTG (b)(A)	(.030)	U A	6500	COMP+CAN	5/16	8.0 TTG		U A
6617	COMP+CAN	(S)	5-6 LTG (ip)(A)	(.035)	U A	4363	COMP+CAN	(H)	8 LTG (b)(A)	(.090)	U A
7499	COMP+CAN	1/4	6.0 TTG		U A	Changshu Zhouxing Glass Co. Ltd. ; Changshu, Jiangsu Province, China:					
7500	COMP+CAN	5/16	8.0 TTG		U A	4936	COMP+CAN	1/8	3.0 TTG		U A
5225	COMP+CAN	(H)	8-12 LTG (b)(A)	(.030)	U A	Chicago Tempered Glass, Inc. ; Chicago, IL:					
6618	COMP+CAN	(H)	8-12 LTG (ip)(A)	(.035)	U A	3086	COMPOSITE	5/32	4.0 TTG		U A
7549	COMP+CAN	3/8	10.0 TTG		U A	3087	COMPOSITE	3/16	5.0 TTG		U A
7550	COMP+CAN	1/2	12.0 TTG		U A	3088	COMPOSITE	1/4	6.0 TTG		U A
Cardinal Tempering ; Louisville, KY:						3089	COMPOSITE	3/8	10.0 TTG		U A
3871	COMPOSITE	5/32	4.0 TTG		U A	3090	COMPOSITE	1/2	12.0 TTG		U A
3872	COMPOSITE	3/16	5.0 TTG		U A	6714	COMPOSITE	(H)	12 LTG (ip)(A) (IN)	(.035)	U A
3873	COMPOSITE	1/4	6.0 TTG		U A	Chongqing SYP Engineering Glass Co., Ltd. ; Chongqing, China:					
3874	COMPOSITE	3/8	10.0 TTG		U A	6810	COMP+CAN	1/4	6.0 TTG		U A
3875	COMPOSITE	1/2	12.0 TTG		U A	6811	COMP+CAN	5/16	8.0 TTG		U A
Cardinal TG ; Chehalis, WA:						6812	COMP+CAN	3/8	10.0 TTG		U A
3455	COMP+CAN	1/8	3.0 TTG		U A	6813	COMP+CAN	*	12.0 TTG (3)		U A
3456	COMP+CAN	5/32	4.0 TTG		U A	6814	COMP+CAN	(H)	12-16+ LTG (b)(A)	(.030)	U A
3458	COMP+CAN	3/16	5.0 TTG		U A	6815	COMP+CAN	(H)	12-16+ LTG (ip)(A)	(.060)	U A
3459	COMP+CAN	1/4	6.0 TTG		U A	Classy Glass Specialties Co., Ltd ; Dongguan, Guangdong:					
Carey Glass UC ; Nenagh, Co. Tipperary:						5159	COMPOSITE	1/4	6.0 TTG		U A
5998	COMP+CAN	1/4	6.0 TTG		U A	5160	COMPOSITE	5/16	8.0 TTG		U A
5999	COMP+CAN	5/16	8.0 TTG		U A	5161	COMPOSITE	3/8	10.0 TTG		U A
6000	COMP+CAN	3/8	10.0 TTG		U A	5162	COMPOSITE	1/2	12.0 TTG		U A
6001	COMP+CAN	(H)	12.0 LTG (b)(A)	(.060)	U A	Cleer Vision Tempered Glass ; Elkhart, IN:					
7333	COMP+CAN	(H)	12-16+ LTG (ip)(A)	(.060)	U A	4546	COMP+CAN	1/8	3.0 TTG		U A
Cat-I Manufacturing, Inc. ; South Elgin, IL:						7630	COMP+CAN	1/4	6.0 TTG		U A
8076	COMP+CAN	1/8	3.0 TTG		24x36 A	Clinton Glass Company (Middlebrook Pike) ; Knoxville, TN:					
5755	COMP+CAN	5/32	4.0 TTG		24x36 A	7543	COMPOSITE	1/4	6.0 TTG		U A
Central Valley Glass & Screen, Inc. ; Sacramento, CA:						7831	COMPOSITE	5/16	8.0 TTG		U A
7551	COMPOSITE	1/8	3.0 TTG		U A	7544	COMPOSITE	3/8	10.0 TTG		U A
7552	COMPOSITE	5/32	4.0 TTG		U A	7545	COMPOSITE	1/2	12.0 TTG		U A
7553	COMPOSITE	3/16	5.0 TTG		U A	Colorkote CT, LLC ; Stratford, CT:					
7554	COMPOSITE	1/4	6.0 TTG		U A	7095	COMP+CAN	(H)	10-12 LTG (ev)(A)	(.060)	U A
7555	COMPOSITE	3/8	10.0 TTG		U A	Comercial Dialum SA ; Santiago, Chile:					
7556	COMPOSITE	1/2	12.0 TTG		U A	5938	COMPOSITE	(H)	12 LTG (ip)(A)	(.035)	U A
CGMI Acquisition Company LLC dba Clearlight Glass and Mirror ; Kernersville, NC:						Commercial Insulating Glass Co. ; Cumberland City, TN:					
7809	COMP+CAN	1/8	3.0 TTG		U A	3806	COMPOSITE	1/8	3.0 TTG		U A
7239	COMP+CAN	3/16	5.0 TTG		U A	3807	COMPOSITE	3/16	5.0 TTG		U A
7240	COMP+CAN	1/4	6.0 TTG		U A	3808	COMPOSITE	1/4	6.0 TTG		U A
7243	COMP+CAN	3/8	10.0 TTG		U A	Compagnie de Portes Énergétique EDC (Energy Door Company) ; L'Assomption, Quebec:					
7241	COMP+CAN	1/2	12.0 TTG		U A	7192	COMP+CAN	5/32	4.0 TTG		U A
Changshu Fardglass Co. Ltd. ; Changshu, Jiangsu:						Complete Line Glass Wholesalers, Inc. ; San Antonio, TX:					
6684	COMP+CAN	1/8	3.0 TTG		U A	7565	COMPOSITE	1/8	3.0 TTG		U A
ChangShu MayBo Glass Co., Ltd ; Changshu, Jiangsu, China:						7566	COMPOSITE	5/32	4.0 TTG		U A
7115	COMPOSITE	1/8	3.0 TTG		U A	7567	COMPOSITE	3/16	5.0 TTG		U A
7114	COMPOSITE	5/32	4.0 TTG		U A	7570	COMPOSITE	3/16	5.0 TPG (m)		U A
7116	COMPOSITE	3/16	5.0 TTG		U A	7568	COMPOSITE	1/4	6.0 TTG		U A
Changshu Weier Glass Products Co. Ltd. ; Changshu, Jiangsu, China:											
5351	COMPOSITE	1/8	3.0 TTG		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
7569	COMPOSITE	3/8	10.0 TTG		U A	Cristales Curvados Manufacturing S.A. ; Barcelona, Spain:					
7572	COMPOSITE	3/8	10.0 TPG (s)		U A	8338	COMPOSITE	1/4	6.0 TBG		U A
Consolidated Glass Corp. ; New Castle, PA:						8339	COMPOSITE	5/16	8.0 TBG		U A
1998	COMP+CAN	1/8	3.0 TTG		U A	8340	COMPOSITE	3/8	10.0 TBG		U A
1999	COMP+CAN	5/32	4.0 TTG		U A	8341	COMPOSITE	1/2	12.0 TBG		U A
2355	COMP+CAN	5/32	4.0 TPG (m)		U A	Crystal Tempering, Inc. ; Debary, FL:					
2005	COMP+CAN	3/16	5.0 TTG		U A	6209	COMPOSITE	3/16	5.0 TTG		U A
2354	COMP+CAN	3/16	5.0 TPG (m)		U A	6214	COMPOSITE	3/16	5.0 TPG (m)		U A
2002	COMP+CAN	1/4	6.0 TTG		U A	6210	COMPOSITE	1/4	6.0 TTG		U A
4714	COMP+CAN	1/4	6.0 TPG (m)		U A	6215	COMPOSITE	1/4	6.0 TPG (s)		U A
3635	COMP+CAN	5/16	8.0 TTG		U A	6211	COMPOSITE	3/8	10.0 TTG		U A
2003	COMP+CAN	3/8	10.0 TTG		U A	6216	COMPOSITE	3/8	10.0 TPG (s)		U A
4785	COMP+CAN	3/8	10.0 TPG (s)		U A	6212	COMPOSITE	1/2	12.0 TTG		U A
2004	COMP+CAN	1/2	12.0 TTG		U A	CS ECO Glass ; Negeri Sembilan, Malaysia:					
Contemporary Glass Tempering, LLC ; Houston, TX:						6867	COMPOSITE	3/16	5.0 TTG		U A
8040	COMPOSITE	1/8	3.0 TTG		U A	6868	COMPOSITE	1/4	6.0 TTG		U A
8041	COMPOSITE	5/32	4.0 TTG		U A	6869	COMPOSITE	5/16	8.0 TTG		U A
8042	COMPOSITE	3/16	5.0 TTG		U A	6870	COMPOSITE	3/8	10.0 TTG		U A
8043	COMPOSITE	1/4	6.0 TTG		U A	8239	COMPOSITE (H)	10-16+ LTG	(b)(A)	(.015)	U A
8044	COMPOSITE	3/8	10.0 TTG		U A	6871	COMPOSITE	1/2	12.0 TTG		U A
8045	COMPOSITE	1/2	12.0 TTG		U A	Curved Glass Creations, LLC ; Pompano Beach, FL:					
Contour Industries, Inc. ; Surgoinsville, TN:						7113	COMPOSITE (H)	10-16+ LTG	(ev)(A)	(.060)	U A
1680	COMP+CAN	1/8	3.0 TTG		U A	Custom Glass Products Inc. ; Weston, WI:					
4703	COMP+CAN	1/8	3.0 TPG (s)		U A	4002	COMPOSITE	1/4	6.0 TTG		U A
4285	COMP+CAN	5/32	4.0 TTG		U A	6671	COMPOSITE	1/2	12.0 TTG		U A
4704	COMP+CAN	5/32	4.0 TPG (s)(IN)		U A	D3 Glass, LLC ; Fort Myers, FL:					
1678	COMP+CAN	3/16	5.0 TTG		U A	7627	COMPOSITE	1/4	6.0 TTG		U A
4705	COMP+CAN	3/16	5.0 TPG (s)		U A	7626	COMPOSITE	3/8	10.0 TPG (s)		U A
1677	COMP+CAN	1/4	6.0 TTG		U A	7628	COMPOSITE	3/8	10.0 TTG		U A
4701	COMP+CAN	5/16	8.0 TTG		U A	7629	COMPOSITE	1/2	12.0 TTG		U A
4702	COMP+CAN	3/8	10.0 TTG		U A	Dalian Huaying Glass Limited Liability Co. ; Liaoning, China:					
Contractors Wardrobe ; Valencia, CA:						5260	COMP+CAN	1/8	3.0 TTG		U A
3464	COMP+CAN	1/8	3.0 TTG		U A	6639	COMP+CAN	5/32	4.0 TTG		U A
3473	COMP+CAN	1/8	3.0 TPG (m)		U A	5261	COMP+CAN	3/16	5.0 TTG		U A
3465	COMP+CAN	5/32	4.0 TTG		U A	Dallas Flat Glass ; Carrollton, TX:					
3474	COMP+CAN	5/32	4.0 TPG (m)		U A	4790	COMPOSITE	1/8	3.0 TTG		U A
3466	COMP+CAN	3/16	5.0 TTG		U A	4763	COMPOSITE	3/16	5.0 TTG		U A
3475	COMP+CAN	3/16	5.0 TPG (m)		U A	3701	COMPOSITE	1/4	6.0 TTG		U A
3467	COMP+CAN	1/4	6.0 TTG		U A	4566	COMPOSITE	3/8	10.0 TTG		U A
3476	COMP+CAN	1/4	6.0 TPG (s)		U A	4567	COMPOSITE	1/2	12.0 TTG		U A
3468	COMP+CAN	5/16	8.0 TTG		U A	8174	COMPOSITE	3/4	19.0 TTG		U A
3469	COMP+CAN	3/8	10.0 TTG		U A	Denver Glass Interiors, Inc. ; Englewood, CO:					
3477	COMP+CAN	3/8	10.0 TPG (s)		U A	3865	COMPOSITE	3/16	5.0 TTG		U A
3470	COMP+CAN	1/2	12.0 TTG		U A	7582	COMPOSITE	3/16	5.0 TPG (m)		U A
3472	COMP+CAN	3/4	19.0 TTG		U A	3866	COMPOSITE	1/4	6.0 TTG		U A
Control Glass, A&S, S.L. ; Teruel, Spain:						4507	COMPOSITE	1/4	6.0 TPG (m)		U A
7791	COMP+CAN	5/32	4.0 TTG		U A	6902	COMPOSITE (H)	8-16+ LTG	(ip)(A)	(.060)	U A
7792	COMP+CAN	1/4	6.0 TTG		U A	6916	COMPOSITE (H)	8-16+ LTG	(b)(A)	(.030)	U A
7794	COMP+CAN (H)	8-16+ LTG	(b)(A)	(.030)	U A	3867	COMPOSITE	3/8	10.0 TTG		U A
7793	COMP+CAN	3/8	10.0 TTG		U A	4508	COMPOSITE	3/8	10.0 TPG (s)		U A
7795	COMP+CAN (H)	12-16+ LTG	(ip)(A)	(.060)	U A	3868	COMPOSITE	1/2	12.0 TTG		U A
7988	COMP+CAN	*	12.0 TTG (4)		U A	Deqing Sanxing Plastic Chemical Co. Ltd. ; Huzhou, Zhejiang, China:					
Coral Industries Glass Division ; Tuscaloosa, AL:						4055	COMPOSITE	1/8	3.0 TTG		U A
1910	COMPOSITE	3/16	5.0 TTG		U A	4056	COMPOSITE	5/32	4.0 TTG		U A
1964	COMPOSITE	3/16	5.0 TPG (d)		U A	4057	COMPOSITE	3/16	5.0 TTG		U A
1911	COMPOSITE	1/4	6.0 TTG		U A	4146	COMPOSITE	1/4	6.0 TTG		U A
2944	COMPOSITE	1/4	6.0 TPG (d)		U A	4147	COMPOSITE	3/8	10.0 TTG		U A
2144	COMPOSITE	3/8	10.0 TTG		U A	Diamond Glass ; Dublin, Ireland:					
2945	COMPOSITE	3/8	10.0 TPG (d)		U A	8302	COMP+CAN	5/16	8.0 TTG		U A
2145	COMPOSITE	1/2	12.0 TTG		U A	8303	COMP+CAN	3/8	10.0 TTG		U A
Core Fabrication Inc. ; Edison, NJ:						8305	COMP+CAN (H)	10-16+ LTG	(b)(T)	(.060)	U A
8145	COMP+CAN	1/4	6.0 TTG		U A	8306	COMP+CAN (H)	10,12 LTG	(ip)(T)	(.060)	U A
8146	COMP+CAN	3/8	10.0 TTG		U A						

Certified Products-Alphabetical By Plant

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		(THICKNESS CLASS)		CERTIFIED	CLASS			(THICKNESS CLASS)		CERTIFIED	CLASS
8304	COMP+CAN	*	12.0 TTG (3)		U A	6317	COMPOSITE	1/2 12.0 TTG			U A
Dillmeier Enterprise, Inc. ; Van Buren, AR:						Eckelt Glas GmbH ; Steyr, Austria:					
4838	COMPOSITE	1/8	3.0 TTG		U A	2850	COMPOSITE	1/4 6.0 TTG			U A
3912	COMPOSITE	3/16	5.0 TTG		U A	2851	COMPOSITE	5/16 8.0 TTG			U A
3913	COMPOSITE	1/4	6.0 TTG		U A	6825	COMPOSITE	(H) 8,12,16+ LTG (b)(A)	(.030)		U A
7947	COMP+CAN	(S)	6 LTG (ev)(A)	(.030)	U A	2852	COMPOSITE	3/8 10.0 TTG			U A
4839	COMPOSITE	5/16	8.0 TTG		U A	6901	COMPOSITE	(H) 10-16+ LTG (ip)(A)	(.060)		U A
3914	COMPOSITE	3/8	10.0 TTG		U A	2853	COMPOSITE	* 12.0 TTG (4)			U A
8088	COMP+CAN	(H)	10 LTG (ev)(T)	(.030)	U A	2854	COMPOSITE	* 15.0 TTG (4)			U A
8110	COMP+CAN	(H)	10 LTG (ev)(A)	(.035)	U A	2855	COMPOSITE	3/4 19.0 TTG			U A
8347	COMP+CAN	(H)	10 LTG (ev)(A)	(.030)	U B	ECO Glass Production ; Medley, FL:					
3915	COMPOSITE	1/2	12.0 TTG		U A	8367	COMP+CAN	1/8 3.0 TTG			U A
3916	COMPOSITE	5/8	16.0 TTG		U A	8369	COMP+CAN	3/16 5.0 TTG			U A
3917	COMPOSITE	3/4	19.0 TTG		U A	8370	COMP+CAN	1/4 6.0 TTG			U A
Dlubak Specialty Glass Corporation ; Blairsville, PA:						8371	COMP+CAN	(S) 6 LTG (ip)(A)	(.035)		U A
3017	COMPOSITE	1/4	6.0 TTG		U A	8368	COMP+CAN	(H) 8 LTG (ip)(A)	(.035)		U A
5965	COMPOSITE	1/4	6.0 TBG		U A	8372	COMP+CAN	(H) 8 LTG (b)(A)	(.045)		U A
3018	COMPOSITE	1/2	12.0 TTG		U A	8276	COMP+CAN	(H) 12 LTG (b)(A)	(.090)		U A
6234	COMPOSITE	(H)	12 LTG (b)(A)	(.060)	U A	Edge Tempering ; Hialeah, FL:					
7016	COMPOSITE	(H)	12 LTG (ip)(A)	(.070)	U A	7280	COMPOSITE	3/16 5.0 TTG			U A
3019	COMPOSITE	3/4	19.0 TTG		U A	6297	COMPOSITE	1/4 6.0 TTG			U A
Dolphin Temper Glass LLC ; Miami Gardens, FL:						6298	COMPOSITE	3/8 10.0 TTG			U A
7840	COMPOSITE	1/4	6.0 TTG		U A	6299	COMPOSITE	1/2 12.0 TTG			U A
Dongguan CSG Architectural Glass Co., Ltd. ; Dongguan, Guangdong, China:						EFCO Corporation ; Monett, MO:					
3932	COMP+CAN	5/32	4.0 TTG		U A	4121	COMPOSITE	1/8 3.0 TTG			U A
3933	COMP+CAN	3/16	5.0 TTG		U A	1901	COMPOSITE	3/16 5.0 TTG			U A
3934	COMP+CAN	1/4	6.0 TTG		U A	2143	COMPOSITE	3/16 5.0 TPG (s)			U A
3935	COMP+CAN	5/16	8.0 TTG		U A	1902	COMPOSITE	1/4 6.0 TTG			U A
4167	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	4154	COMPOSITE	5/16 8.0 TTG			U A
3936	COMP+CAN	3/8	10.0 TTG		U A	8233	COMPOSITE	3/8 10.0 TTG			U A
3937	COMP+CAN	1/2	12.0 TTG		U A	Elivate Mexico Supply S. de R.L. de C.V. ; Tecate, Baja California:					
3938	COMP+CAN	*	15.0 TTG (4)		U A	8435	COMP+CAN	3/16 5.0 TTG			U A
3939	COMP+CAN	3/4	19.0 TTG		U A	8436	COMP+CAN	1/4 6.0 TTG			U A
Dongguan Dongfa Glass Product Co., Ltd ; Dongguan, Guangdong, China:						8437	COMP+CAN	5/16 8.0 TTG			U A
4132	COMP+CAN	5/16	8.0 TTG		U A	8438	COMP+CAN	3/8 10.0 TTG			U A
4125	COMP+CAN	3/8	10.0 TTG		U A	8440	COMP+CAN	(H) 10 LTG (b)(HS)	(.030)		U A
4123	COMP+CAN	(H)	12-16+ LTG (b)(A)	(.030)	U A	8441	COMP+CAN	(H) 10 LTG (ip)(A)	(.035)		U A
4126	COMP+CAN	1/2	12.0 TTG		U A	8439	COMP+CAN	1/2 12.0 TTG			U A
7620	COMP+CAN	*	15.0 TTG (4)		U A	Engineered Glass Products, L.L.C. ; Chicago, IL:					
7621	COMP+CAN	3/4	19.0 TTG		U A	4388	COMPOSITE	1/8 3.0 TTG		26x72	A
Double Seal Insulating Glass Ltd. ; Toronto, ON:						2589	COMPOSITE	5/32 4.0 TTG		26x72	A
8307	COMP+CAN	1/8	3.0 TTG		U A	8185	COMPOSITE	3/16 5.0 TTG		26 x 72	A
8308	COMP+CAN	5/32	4.0 TTG		U A	Epta S.P.A. ; Limana, Belluno, Italy:					
8309	COMP+CAN	3/16	5.0 TTG		U A	7934	COMP+CAN	5/32 4.0 TTG			U A
8310	COMP+CAN	1/4	6.0 TTG		U A	Erdem Dis Ticaret A.S. ; Istanbul, Pendik:					
Downey Glass ; Pompano Beach, FL:						7609	COMP+CAN	1/4 6.0 TTG			U A
2661	COMPOSITE	3/16	5.0 TTG		U A	7610	COMP+CAN	5/16 8.0 TTG			U A
3487	COMPOSITE	3/16	5.0 TPG (s)		U A	7611	COMP+CAN	3/8 10.0 TTG			U A
2662	COMPOSITE	1/4	6.0 TTG		U A	7612	COMP+CAN	(H) 10-16+ LTG (b)(A)	(.030)		U A
5121	COMPOSITE	(S)	6 LTG (ip)(A)	(.035)	U A	Euroglas-De Landtsheer NV ; Bornem, Belgium:					
5554	COMPOSITE	5/16	8.0 TTG		U A	8147	COMPOSITE	1/4 6.0 TTG			U A
2663	COMPOSITE	3/8	10.0 TTG		U A	8148	COMPOSITE	5/16 8.0 TTG			U A
4626	COMPOSITE	3/8	10.0 TPG (s)		U A	8149	COMPOSITE	3/8 10.0 TTG			U A
5122	COMPOSITE	(H)	10-16+ LTG (ip)(A)	(.035)	U A	8150	COMPOSITE	1/2 12.0 TTG			U A
2664	COMPOSITE	1/2	12.0 TTG		U A	Extrusiones de Aluminio, S.A. ; Santo Domingo, Heredia:					
2665	COMPOSITE	3/4	19.0 TTG		U A	8157	COMPOSITE	1/4 6.0 TTG			U A
Echols Glass and Mirror, Inc. ; Buford, GA:						8158	COMPOSITE	3/8 10.0 TTG			U A
7712	COMPOSITE	1/8	3.0 TTG		U A	8160	COMPOSITE	(H) 10-16+ LTG (ip)(A)	(.035)		U A
6314	COMPOSITE	3/16	5.0 TTG		U A	8161	COMPOSITE	(H) 10-16+ LTG (b)(A)	(.030)		U A
6318	COMPOSITE	3/16	5.0 TPG (m)		U A	8159	COMPOSITE	* 12.0 TTG (4)			U A
6315	COMPOSITE	1/4	6.0 TTG		U A	eyrise B.V. ; Veldhoven, N.B.:					
6316	COMPOSITE	3/8	10.0 TTG		U A	7829	COMP+CAN	(H) 25 LSP (b)(HS)	(.030)x6		U A
6319	COMPOSITE	3/8	10.0 TPG (s)		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
7830	COMP+CAN	(H)	32 LSP (b)(HS)	(.030)x4	U A	7874	COMPOSITE	3/16	5.0 TTG		U A
Fairis C.A. ; Ambato, Tungurahua, Ecuador:						7185	COMPOSITE	1/4	6.0 TTG		U A
4425	COMPOSITE	5/32	4.0 TTG		U A	7186	COMPOSITE	5/16	8.0 TTG		U A
4426	COMPOSITE	3/16	5.0 TTG		U A	7187	COMPOSITE	3/8	10.0 TTG		U A
4427	COMPOSITE	1/4	6.0 TTG		U A	7188	COMPOSITE	*	12.0 TTG (3)		U A
4722	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A	Fujian Tider Glass Co., Ltd. ; Xiamen, Fujian:					
4428	COMPOSITE	5/16	8.0 TTG		U A	8366	COMP+CAN	1/8	3.0 TPG		U A
4429	COMPOSITE	3/8	10.0 TTG		U A	7784	COMP+CAN	5/32	4.0 TTG		U A
4430	COMPOSITE	(H)	10-12 LTG (b)(A)	(.030)	U A	7785	COMP+CAN	3/16	5.0 TTG		U A
FG Glass Industries Pvt Ltd. ; Raigad, India:						8360	COMP+CAN	3/16	5.0 TPG (s)		U A
8344	COMP+CAN	(H)	8,12-16+ LTG (ip)(A)	(.035)	U A	7786	COMP+CAN	1/4	6.0 TTG		U A
8345	COMP+CAN	(H)	12 LTG (b)(A)	(.015)	U A	8361	COMP+CAN	1/4	6.0 TPG (m)		U A
Flat Glass Distributors ; Jacksonville, FL:						7787	COMP+CAN	5/16	8.0 TTG		U A
3822	COMPOSITE	1/8	3.0 TTG		U A	7788	COMP+CAN	3/8	10.0 TTG		U A
3828	COMPOSITE	1/8	3.0 TPG (m)		U A	7789	COMP+CAN	1/2	12.0 TTG		U A
3823	COMPOSITE	3/16	5.0 TTG		U A	Fujian Xihe Sanitary Ware Technology Co., Ltd ; Nan an Fujian China:					
3830	COMPOSITE	3/16	5.0 TPG (m)		U A	8023	COMPOSITE	5/32	4.0 TTG		U A
3824	COMPOSITE	1/4	6.0 TTG		U A	8024	COMPOSITE	3/16	5.0 TTG		U A
3831	COMPOSITE	1/4	6.0 TPG (s)		U A	8030	COMPOSITE	3/16	5.0 TBG		U A
3825	COMPOSITE	3/8	10.0 TTG		U A	8025	COMPOSITE	1/4	6.0 TTG		U A
4638	COMPOSITE	3/8	10.0 TPG (s)		U A	8031	COMPOSITE	1/4	6.0 TBG		U A
3826	COMPOSITE	1/2	12.0 TTG		U A	8026	COMPOSITE	5/16	8.0 TTG		U A
Flat Glass Group Co., Ltd. ; Jiaxing, Zhejiang, China:						8032	COMPOSITE	5/16	8.0 TBG		U A
6898	COMP+CAN	5/32	4.0 TPG (m)		U A	G.E. Silliker & Sons Ltd. ; Borden-Carleton, PEI (68):					
5521	COMP+CAN	3/16	5.0 TTG		U A	8224	COMP+CAN	1/8	3.0 TTG		U A
5522	COMP+CAN	1/4	6.0 TTG		U A	8225	COMP+CAN	5/32	4.0 TTG		U A
5523	COMP+CAN	5/16	8.0 TTG		U A	8226	COMP+CAN	3/16	5.0 TTG		U A
5524	COMP+CAN	3/8	10.0 TTG		U A	8227	COMP+CAN	1/4	6.0 TTG		U A
5526	COMP+CAN	(H)	10-16+ LTG (b)(HS)	(.030)	U A	8228	COMP+CAN	5/16	8.0 TTG		U A
8380	COMP+CAN	1/2	12.0 TTG		U A	8229	COMP+CAN	3/8	10.0 TTG		U A
Foshan Gaoming Yaqi Toughened Glass ; Foshan City, Guangdong Province:						8230	COMP+CAN	1/2	12.0 TTG		U A
6119	COMP+CAN	1/4	6.0 TTG		U A	8231	COMP+CAN	5/8	16.0 TTG		U A
6123	COMP+CAN	1/4	6.0 TBG		U A	8232	COMP+CAN	3/4	19.0 TTG		U A
6120	COMP+CAN	5/16	8.0 TTG		U A	Galaxy Glass & Stone ; Fairfield, NJ:					
6124	COMP+CAN	5/16	8.0 TBG		U A	3661	COMP+CAN	(H)	8-16+ LTG (lu)(A)	(.060)	U A
7717	COMP+CAN	5/16	8.0 TPG (s)		U A	5752	COMP+CAN	(H)	8-16+ LTG (ev)(A)	(.060)	U A
6121	COMP+CAN	3/8	10.0 TTG		U A	Gardner Glass Products Inc. ; North Wilkesboro, NC:					
6122	COMP+CAN	1/2	12.0 TTG		U A	7436	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
Foshan Jingyi Tempered Glass Co., LTD. ; Foshan, Guangdong:						7437	COMP+CAN	(H)	12 LTG (ip)(A)	(.060)	U A
8357	COMP+CAN	1/4	6.0 TTG		U A	7438	COMP+CAN	(H)	16+ LTG (b)(A)	(.030)	U A
8358	COMP+CAN	5/16	8.0 TTG		U A	Garibaldi Glass Ind. Inc. ; Burnaby, BC:					
8359	COMP+CAN	3/8	10.0 TTG		U A	5124	COMP+CAN	3/16	5.0 TTG		U A
Foshan Nanhai Nengyang Electrical Technology Co., Ltd. ; Foshan, Guangdong:						4419	COMP+CAN	1/4	6.0 TTG		U A
8260	COMPOSITE	3/16	5.0 TTG		U A	7380	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
8261	COMPOSITE	1/4	6.0 TTG		U A	6767	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A
8262	COMPOSITE	5/16	8.0 TTG		U A	5219	COMP+CAN	5/16	8.0 TTG		U A
8263	COMPOSITE	3/8	10.0 TTG		U A	6766	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
Foshan Nanhai Ruixin Glass Co., LTD. ; Foshan City, Guangdong Province:						6768	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
8321	COMP+CAN	1/4	6.0 TTG		U A	4420	COMP+CAN	3/8	10.0 TTG		U A
8322	COMP+CAN	5/16	8.0 TTG		U A	4421	COMP+CAN	1/2	12.0 TTG		U A
8323	COMP+CAN	3/8	10.0 TTG		U A	5125	COMP+CAN	*	15.0 TTG (4)		U A
Fountain Glass Inc. ; Lenexa, KS:						4422	COMP+CAN	3/4	19.0 TTG		U A
7102	COMPOSITE	3/16	5.0 TPG (m)		U A	General Glass ; Vancouver, WA:					
7105	COMPOSITE	3/16	5.0 TTG		U A	4031	COMPOSITE	1/8	3.0 TTG		U A
7100	COMPOSITE	1/4	6.0 TPG (s)		U A	5750	COMPOSITE	1/8	3.0 TPG (s)		U A
7101	COMPOSITE	1/4	6.0 TTG		U A	4032	COMPOSITE	5/32	4.0 TTG		U A
7103	COMPOSITE	3/8	10.0 TPG (s)		U A	4033	COMPOSITE	3/16	5.0 TTG		U A
7106	COMPOSITE	3/8	10.0 TTG		U A	7478	COMPOSITE	3/16	5.0 TPG (m)		U A
7104	COMPOSITE	1/2	12.0 TTG		U A	4034	COMPOSITE	1/4	6.0 TTG		U A
Fujian Chengda Glass Co., Ltd ; Longhai, Zhangzhou:						7710	COMPOSITE	3/8	10.0 TTG		U A
7182	COMPOSITE	1/8	3.0 TTG		U A	5751	COMPOSITE	1/2	12.0 TTG		U A
7183	COMPOSITE	5/32	4.0 TTG		U A	GGI Glass Distributors Corp. ; Secaucus, NJ:					
						2928	COMPOSITE	5/32	4.0 TTG (IN)		U A
						3970	COMPOSITE	5/32	4.0 TPG (s)(IN)		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
2226	COMPOSITE	3/16	5.0 TTG		U A	6997	COMP+CAN (H)	8-16+ LTG (b)(A)		(.030)	U A
3971	COMPOSITE	3/16	5.0 TPG (m)		U A	6995	COMP+CAN	3/8	10.0 TTG		U A
2227	COMPOSITE	1/4	6.0 TTG		U A	6996	COMP+CAN	1/2	12.0 TTG		U A
3972	COMPOSITE	1/4	6.0 TPG (m)		U A	GlassFab Tempering Services Inc. Holly Drive ; Tracy, CA:					
4248	COMPOSITE	5/16	8.0 TTG		U A	6118	COMPOSITE	1/8	3.0 TTG		U A
2282	COMPOSITE	3/8	10.0 TTG		U A	5986	COMPOSITE	3/16	5.0 TTG		U A
3973	COMPOSITE	3/8	10.0 TPG (s)		U A	7024	COMPOSITE	1/4	6.0 TTG		U A
2228	COMPOSITE	1/2	12.0 TTG		U A	5988	COMPOSITE	3/8	10.0 TTG		U A
3974	COMPOSITE	1/2	12.0 TPG (s)(IN)		U A	5989	COMPOSITE	1/2	12.0 TTG		U A
3857	COMPOSITE	5/8	16.0 TTG		U A	5990	COMPOSITE	3/4	19.0 TTG		U A
3858	COMPOSITE	3/4	19.0 TTG		U A	GlassFab Tempering Services, Inc. Mariani Ct. ; Tracy, CA:					
4774	COMPOSITE	1	25.0 TTG (IN)		U A	7796	COMPOSITE	1/8	3.0 TPG (s)		U A
Gin Jye Ming Glass Co., Ltd. ; Taiwan:						7799	COMPOSITE	1/8	3.0 TTG		U A
7868	COMP+CAN	3/16	5.0 TTG		U A	5128	COMPOSITE	5/32	4.0 TPG (d)		U A
7869	COMP+CAN (S)	6	6 LTG (b)(A)	(.030)	U A	4889	COMPOSITE	3/16	5.0 TTG		U A
GLAAM Co., Ltd. ; South Korea:						7797	COMPOSITE	3/16	5.0 TPG (m)		U A
7928	COMP+CAN (H)	10	10 LTG (lu)(A)	(.098)	U B	4891	COMPOSITE	1/4	6.0 TTG		U A
GLASPRO ; Santa Fe Springs, CA:						7798	COMPOSITE	1/4	6.0 TPG (s)		U A
6047	COMP+CAN	1/4	6.0 TTG		U A	4897	COMPOSITE	3/8	10.0 TPG (s)		U A
6050	COMP+CAN (H)	8-16+	8-16+ LTG (b)(A)	(.030)	U A	7023	COMPOSITE	3/8	10.0 TTG		U A
6048	COMP+CAN	1/2	12.0 TTG		U A	4890	COMPOSITE	1/2	12.0 TTG		U A
Glass and Mirror Craft ; Wixom, MI:						4893	COMPOSITE	3/4	19.0 TTG		U A
4198	COMP+CAN	1/8	3.0 TTG		U A	Glasstech Industries B.S.C. ; Hidd, Manama, Bahrain:					
5116	COMP+CAN	5/32	4.0 TTG		U A	7298	COMPOSITE	5/32	4.0 TTG		U A
4199	COMP+CAN	3/16	5.0 TTG		U A	7299	COMPOSITE	1/4	6.0 TTG		U A
4200	COMP+CAN	1/4	6.0 TTG		U A	7300	COMPOSITE	5/16	8.0 TTG		U A
5598	COMP+CAN	3/8	10.0 TTG		U A	7305	COMPOSITE (H)	8,12-16+ LTG (ip)(A)		(.035)	U A
4202	COMP+CAN	1/2	12.0 TTG		U A	7306	COMPOSITE (H)	8,12-16+ LTG (b)(A)		(.015)	U A
4924	COMP+CAN (H)	12-16+	12-16+ LTG (ip)(A)	(.035)	U A	GlassTemp, Inc. ; Bellwood, IL:					
4203	COMP+CAN	5/8	16.0 TTG		U A	8320	COMPOSITE	1/8	3.0 TTG		U A
4204	COMP+CAN	3/4	19.0 TTG		U A	8151	COMPOSITE	3/16	5.0 TTG		U A
Glass Depot Inc. ; Opa Locka, FL:						7695	COMPOSITE	1/4	6.0 TTG		U A
7180	COMPOSITE	3/16	5.0 TTG		U A	7696	COMPOSITE	3/8	10.0 TTG		U A
7181	COMPOSITE	1/4	6.0 TTG		U A	7697	COMPOSITE	1/2	12.0 TTG		U A
6633	COMPOSITE	3/8	10.0 TTG		U A	Glasswerks GWA- West ; South Gate CA:					
6634	COMPOSITE	1/2	12.0 TTG		U A	5480	COMPOSITE	5/32	4.0 TTG		U A
Glass Design of Miami, Inc. ; Medley, FL:						5481	COMPOSITE	3/16	5.0 TTG		U A
7145	COMPOSITE	1/4	6.0 TTG		U A	5482	COMPOSITE	1/4	6.0 TTG		U A
7144	COMPOSITE	3/8	10.0 TTG		U A	Glasswerks GWLA- East ; South Gate, CA:					
7143	COMPOSITE	1/2	12.0 TTG		U A	4804	COMPOSITE	1/8	3.0 TTG		U A
Glass Enterprises, Inc. ; Bensalem, PA:						5882	COMPOSITE	5/32	4.0 TTG		U A
4628	COMPOSITE	3/16	5.0 TTG		U A	4805	COMPOSITE	3/16	5.0 TTG		U A
4629	COMPOSITE	1/4	6.0 TTG		U A	4806	COMPOSITE	1/4	6.0 TTG		U A
6597	COMPOSITE	3/8	10.0 TTG		U A	7074	COMPOSITE (S)	6	6 LTG (b)(A)	(.030)	U A
6598	COMPOSITE	1/2	12.0 TTG		U A	5886	COMPOSITE (H)	8-16+ LTG (b)(A)		(.030)	U A
Glass Ryolsa S. de R.L. de C.V. ; Guadalajara, Jalisco:						6057	COMPOSITE (H)	8-16+ LTG (ip)(A)		(.035)	U A
8431	COMPOSITE	1/4	6.0 TTG		U A	5883	COMPOSITE	3/8	10.0 TTG		U A
8432	COMPOSITE	3/8	10.0 TTG		U A	5884	COMPOSITE	1/2	12.0 TTG		U A
8433	COMPOSITE	1/2	12.0 TTG		U A	6921	COMPOSITE	5/8	16.0 TTG		U A
8434	COMPOSITE (H)	12	12 LTG (ev)(T)	(.035)	U A	5885	COMPOSITE	3/4	19.0 TTG		U A
Glassbel Baltic ; Klaipeda, Lithuania:						Glasswerks GWT ; Temecula, CA:					
6706	COMPOSITE	1/4	6.0 TTG		U A	6095	COMP+CAN	3/16	5.0 TTG		U A
6707	COMPOSITE	5/16	8.0 TTG		U A	6096	COMP+CAN	1/4	6.0 TTG		U A
7524	COMPOSITE (H)	8-16+	8-16+ LTG (ip)(A)	(.035)	U A	6097	COMP+CAN	3/8	10.0 TTG		U A
8049	COMPOSITE (H)	8-16+	8-16+ LTG (b)(A)	(.030)	U A	6098	COMP+CAN	1/2	12.0 TTG		U A
6708	COMPOSITE	3/8	10.0 TTG		U A	Glaz-Tech Industries, Inc. ; Albuquerque, NM:					
6709	COMPOSITE	1/2	12.0 TTG		U A	6589	COMPOSITE	1/8	3.0 TTG		U A
Glassecviracon ; Nazaré Paulista, São Paulo:						6590	COMPOSITE	3/16	5.0 TTG		U A
7927	COMP+CAN	5/32	4.0 TTG		U A	6595	COMPOSITE	3/16	5.0 TPG (m)		U A
6992	COMP+CAN	3/16	5.0 TTG		U A	6594	COMPOSITE	1/4	6.0 TTG		U A
6993	COMP+CAN	1/4	6.0 TTG		U A	6591	COMPOSITE	3/8	10.0 TTG		U A
6994	COMP+CAN	5/16	8.0 TTG		U A	6593	COMPOSITE	3/8	10.0 TPG (s)		U A
6998	COMP+CAN (H)	8,16+	8,16+ LTG (ip)(A)	(.035)	U A	6592	COMPOSITE	1/2	12.0 TTG		U A

Certified Products-Alphabetical By Plant

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Glaz-Tech Industries, Inc. ; Boise, ID:						2446	COMP+CAN	3/16	5.0 TTG		U A
6607	COMPOSITE	1/8	3.0 TTG		U A	2447	COMP+CAN	1/4	6.0 TTG		U A
6608	COMPOSITE	3/16	5.0 TTG		U A	2448	COMP+CAN	3/8	10.0 TTG		U A
6713	COMPOSITE	3/16	5.0 TPG (m)		U A	2449	COMP+CAN	1/2	12.0 TTG		U A
6609	COMPOSITE	1/4	6.0 TTG		U A	Griffin Glass & Metal Werks, Inc. ; Elmhurst, IL:					
6610	COMPOSITE	3/8	10.0 TTG		U A	7146	COMP+CAN	3/16	5.0 TTG		U A
6612	COMPOSITE	3/8	10.0 TPG (s)		U A	7147	COMP+CAN	1/4	6.0 TTG		U A
6611	COMPOSITE	1/2	12.0 TTG		U A	7201	COMP+CAN	5/16	8.0 TTG		U A
Glaz-Tech Industries, Inc. ; Englewood, CO:						7202	COMP+CAN	3/8	10.0 TTG		U A
2185	COMPOSITE	1/8	3.0 TTG		U A	7148	COMP+CAN	1/2	12.0 TTG		U A
2186	COMPOSITE	3/16	5.0 TTG		U A	7284	COMP+CAN	3/4	19.0 TTG		U A
2193	COMPOSITE	3/16	5.0 TPG (m)		U A	Grupo Vidrios el Castillo ; Escobedo, Nuevo Leon, Mexico:					
5143	COMPOSITE	3/8	10.0 TTG		U A	7583	COMP+CAN	1/8	3.0 TTG		U A
2189	COMPOSITE	1/2	12.0 TTG		U A	5840	COMP+CAN	1/4	6.0 TTG		U A
Glaz-Tech Industries, Inc. ; Phoenix, AZ:						6058	COMP+CAN	(S)	6 LTG (b)(A)	(.015)	U B
6582	COMPOSITE	1/8	3.0 TTG		U A	6083	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
6583	COMPOSITE	3/16	5.0 TTG		U A	5781	COMP+CAN	3/8	10.0 TTG		U A
6587	COMPOSITE	3/16	5.0 TPG (m)		U A	G-TECH Optoelectronics Corporation ; Taiwan, China:					
6584	COMPOSITE	1/4	6.0 TTG		U A	7922	COMP+CAN	1/4	6.0 TTG		U A
6585	COMPOSITE	3/8	10.0 TTG		U A	8052	COMP+CAN	5/16	8.0 TTG		U A
6588	COMPOSITE	3/8	10.0 TPG (s)		U A	7489	COMP+CAN	(H)	10-16+ LSP (b)(A)	.030x2 ECx1	U A
6586	COMPOSITE	1/2	12.0 TTG		U A	7832	COMP+CAN	(H)	12-16+ LSP (b)(A)	.030x3 ECx2	U A
Glaz-Tech Industries, Inc. ; Santa Teresa, NM:						Guangdong Haikong Special Glass Technology Co., Ltd. ; Guangdong, China:					
6599	COMPOSITE	1/8	3.0 TTG		U A	7363	COMPOSITE	1/4	6.0 TTG		U A
6604	COMPOSITE	1/8	3.0 TPG (s)		U A	7364	COMPOSITE	5/16	8.0 TTG		U A
6600	COMPOSITE	3/16	5.0 TTG		U A	7365	COMPOSITE	3/8	10.0 TTG		U A
6605	COMPOSITE	3/16	5.0 TPG (m)		U A	7366	COMPOSITE	1/2	12.0 TTG		U A
6601	COMPOSITE	1/4	6.0 TTG		U A	7369	COMP+CAN	(H)	12,16+ LTG (b)(A)	(.060)	U A
6602	COMPOSITE	3/8	10.0 TTG		U A	7404	COMP+CAN	(H)	12,16+ LTG (ip)(A)	(.035)	U A
6606	COMPOSITE	3/8	10.0 TPG (s)		U A	7367	COMPOSITE	*	15.0 TTG (4)		U A
6603	COMPOSITE	1/2	12.0 TTG		U A	7368	COMPOSITE	3/4	19.0 TTG		U A
Glaz-Tech Industries, Inc. ; Tucson, AZ:						Guangdong Rosery Bath Science and Technology Co.,Ltd. ; Taishan City, Guangdong Province:					
6574	COMPOSITE	1/8	3.0 TTG		U A	8241	COMP+CAN	3/16	5.0 TTG		U A
6579	COMPOSITE	1/8	3.0 TPG (s)		U A	8242	COMP+CAN	1/4	6.0 TTG		U A
6575	COMPOSITE	3/16	5.0 TTG		U A	8243	COMP+CAN	5/16	8.0 TTG		U A
6580	COMPOSITE	3/16	5.0 TPG (m)		U A	8244	COMP+CAN	3/8	10.0 TTG		U A
6576	COMPOSITE	1/4	6.0 TTG		U A	Guangdong South Star Glass Limited ; Foshan, Guangdong:					
6577	COMPOSITE	3/8	10.0 TTG		U A	7974	COMPOSITE	5/16	8.0 TTG		U A
6581	COMPOSITE	3/8	10.0 TPG (s)		U A	7975	COMPOSITE	3/8	10.0 TTG		U A
6578	COMPOSITE	1/2	12.0 TTG		U A	7976	COMPOSITE	1/2	12.0 TTG		U A
Glenny Glass Co. ; Milford, OH:						7979	COMPOSITE	(H)	12, 16+ LTG (b)(T)	(.030)	U A
3841	COMPOSITE	1/8	3.0 TTG		U A	7977	COMPOSITE	*	15.0 TTG (4)		U A
3843	COMPOSITE	3/16	5.0 TTG		U A	7978	COMPOSITE	3/4	19.0 TTG		U A
3844	COMPOSITE	1/4	6.0 TTG		U A	Guardian Fabrication, LLC ; Galax, VA:					
7937	COMPOSITE	(H)	8 LTG (ev)(HS)	(.060)	U A	4604	COMP+CAN	1/8	3.0 TTG		U A
3845	COMPOSITE	3/8	10.0 TTG		U A	4612	COMP+CAN	1/8	3.0 TPG (s)		U A
3846	COMPOSITE	1/2	12.0 TTG		U A	4605	COMP+CAN	5/32	4.0 TTG		U A
Global Security Glazing ; Selma, AL:						8012	COMP+CAN	5/32	4.0 TPG (m)		U A
4764	COMP+CAN	1/8	3.0 TTG		U A	4606	COMP+CAN	3/16	5.0 TTG		U A
4765	COMP+CAN	3/16	5.0 TTG		U A	4613	COMP+CAN	3/16	5.0 TPG (m)		U A
4766	COMP+CAN	1/4	6.0 TTG		U A	4607	COMP+CAN	1/4	6.0 TTG		U A
4769	COMP+CAN	(S)	6 LTG (b)(A)	(.035)	U A	8013	COMP+CAN	1/4	6.0 TPG (m)		U A
4767	COMP+CAN	3/8	10.0 TTG		U A	4633	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
4768	COMP+CAN	1/2	12.0 TTG		U A	4658	COMP+CAN	(H)	8 LTG (b)(A)	(.030)	U A
4770	COMP+CAN	(H)	12 LTG (b)(A)	(.060)	U A	4829	COMP+CAN	(H)	8-10 LTG (b)(p)(el)(6)(A)(.075)		U A
GnT Glass Co., Ltd. ; Dongguan, Guangdong, China:						4609	COMP+CAN	3/8	10.0 TTG		U A
6540	COMP+CAN	1/4	6.0 TTG		U A	4627	COMP+CAN	3/8	10.0 TPG (s)		U A
5788	COMP+CAN	5/16	8.0 TTG		U A	4610	COMP+CAN	1/2	12.0 TTG		U A
5789	COMP+CAN	3/8	10.0 TTG		U A	Guardian Fabrication, LLC ; Galax, VA (1005 Meadow Street):					
5791	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.060)	U A	8001	COMP+CAN	1/8	3.0 TTG		U A
7131	COMP+CAN	(H)	10 LTG (ip)(A)	(.060)	U A	8007	COMP+CAN	1/8	3.0 TPG (m)		U A
5790	COMP+CAN	*	12.0 TTG (4)		U A	8002	COMP+CAN	5/32	4.0 TTG		U A
Goldray Industries Ltd. ; Calgary, AB Canada:											
2445	COMP+CAN	5/32	4.0 TTG		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
8008	COMP+CAN	5/32	4.0 TPG (m)		U A	Hartung Glass Industries ; Phoenix, AZ:					
8003	COMP+CAN	3/16	5.0 TPG		U A	6377	COMPOSITE	1/8	3.0 TPG		U A
8009	COMP+CAN	3/16	5.0 TPG (m)		U A	6381	COMPOSITE	1/8	3.0 TPG (s)		U A
8004	COMP+CAN	1/4	6.0 TPG		U A	6378	COMPOSITE	5/32	4.0 TPG		U A
8010	COMP+CAN	1/4	6.0 TPG (m)		U A	6379	COMPOSITE	3/16	5.0 TPG		U A
8091	COMP+CAN	5/16	8.0 TPG		U A	6382	COMPOSITE	3/16	5.0 TPG (s)		U A
8005	COMP+CAN	3/8	10.0 TPG		U A	6380	COMPOSITE	1/4	6.0 TPG		U A
8011	COMP+CAN	3/8	10.0 TPG (m)		U A	7010	COMPOSITE	5/16	8.0 TPG		U A
8006	COMP+CAN	1/2	12.0 TPG		U A	7011	COMPOSITE	3/8	10.0 TPG		U A
Guardian Glass, LLC ; Corsicana, TX:						7994	COMPOSITE	3/8	10.0 TPG (s)		U A
1248	COMP+CAN	1/8	3.0 TPG		U A	7012	COMPOSITE	1/2	12.0 TPG		U A
2458	COMP+CAN	1/8	3.0 TPG (m)		U A	Henan Zhongbo Glass Co., LTD. ; Zhoukou City, Henan Province:					
1249	COMP+CAN	5/32	4.0 TPG		U A	8454	COMP+CAN	(*)	12.0 TPG (3)		U A
2459	COMP+CAN	5/32	4.0 TPG (m)		U A	8457	COMP+CAN	(H)	12 LTG (ip)(A)	(.090)	U A
1250	COMP+CAN	3/16	5.0 TPG		U A	8455	COMP+CAN	(*)	15.0 TPG (3)		U A
2460	COMP+CAN	3/16	5.0 TPG (m)		U A	8458	COMP+CAN	(H)	16+ LTG (ip)(A)	(.060)	U A
1251	COMP+CAN	1/4	6.0 TPG		U A	8456	COMP+CAN	19	19.0 TPG		U A
5142	COMP+CAN	1/4	6.0 TPG (m)		U A	Huahui Glass (China) Co., LD ; Quanzhou City, China:					
1826	COMP+CAN	5/16	8.0 TPG		U A	5843	COMPOSITE	5/32	4.0 TPG		U A
1253	COMP+CAN	3/8	10.0 TPG		U A	Imagic Glass Inc. ; Concord, Ontario:					
5133	COMP+CAN	3/8	10.0 TPG (m)		U A	7355	COMP+CAN	(H)	12 LTG (b)(A)	(.060)	U A
1803	COMP+CAN	1/2	12.0 TPG		U A	7356	COMP+CAN	(H)	12 LTG (ev)(A)	(.015)	U A
Guardian Glass, LLC ; DeWitt, IA:						Industrial Tempering Glass ; Brooklyn, NY:					
2020	COMP+CAN	1/8	3.0 TPG		U A	6985	COMPOSITE	1/4	6.0 TPG		U A
2021	COMP+CAN	5/32	4.0 TPG		U A	3418	COMPOSITE	3/8	10.0 TPG		U A
2022	COMP+CAN	3/16	5.0 TPG		U A	3419	COMPOSITE	1/2	12.0 TPG		U A
2023	COMP+CAN	1/4	6.0 TPG		U A	8294	COMPOSITE	5/8	16.0 TPG		U A
2024	COMP+CAN	5/16	8.0 TPG		U A	4240	COMPOSITE	3/4	19.0 TPG		U A
2545	COMP+CAN	3/8	10.0 TPG		U A	Industries Vanier Inc. ; Anjou, QC:					
2649	COMP+CAN	1/2	12.0 TPG		U A	6952	COMP+CAN	1/8	3.0 TPG		U A
Guardian Glass, LLC ; Geneva, NY:						6953	COMP+CAN	5/32	4.0 TPG		U A
2259	COMP+CAN	1/8	3.0 TPG		U A	6954	COMP+CAN	3/16	5.0 TPG		U A
2260	COMP+CAN	5/32	4.0 TPG		U A	6955	COMP+CAN	1/4	6.0 TPG		U A
2261	COMP+CAN	3/16	5.0 TPG		U A	6956	COMP+CAN	5/16	8.0 TPG		U A
2262	COMP+CAN	1/4	6.0 TPG		U A	6957	COMP+CAN	3/8	10.0 TPG		U A
3672	COMP+CAN	5/16	8.0 TPG		U A	6958	COMP+CAN	1/2	12.0 TPG		U A
2519	COMP+CAN	3/8	10.0 TPG		U A	6959	COMP+CAN	5/8	16.0 TPG		U A
3673	COMP+CAN	1/2	12.0 TPG		U A	6960	COMP+CAN	3/4	19.0 TPG		U A
Guardian Glass, LLC ; Kingsburg, CA:						Inkan Ltd ; Brampton, ON:					
968	COMP+CAN	1/8	3.0 TPG		U A	5135	COMP+CAN	1/4	6.0 TPG		U A
1303	COMP+CAN	1/8	3.0 TPG (d)		U A	5136	COMP+CAN	5/16	8.0 TPG		U A
969	COMP+CAN	5/32	4.0 TPG		U A	5137	COMP+CAN	3/8	10.0 TPG		U A
1301	COMP+CAN	5/32	4.0 TPG (m)		U A	5138	COMP+CAN	1/2	12.0 TPG		U A
970	COMP+CAN	3/16	5.0 TPG		U A	5139	COMP+CAN	5/8	16.0 TPG		U A
1304	COMP+CAN	3/16	5.0 TPG (m)		U A	5140	COMP+CAN	3/4	19.0 TPG		U A
971	COMP+CAN	1/4	6.0 TPG		U A	Innovative Glass Products LLC ; Carrollton, TX:					
1882	COMP+CAN	1/4	6.0 TPG (m)		U A	7062	COMPOSITE	1/8	3.0 TPG		U A
Guardian Glass, LLC ; Richburg, SC:						7063	COMPOSITE	5/32	4.0 TPG		U A
1630	COMP+CAN	1/8	3.0 TPG		U A	7064	COMPOSITE	3/16	5.0 TPG		U A
1683	COMP+CAN	1/8	3.0 TPG (m)		U A	7065	COMPOSITE	1/4	6.0 TPG		U A
1631	COMP+CAN	5/32	4.0 TPG		U A	Insulite Glass Co., Inc. ; Olathe, KS:					
1635	COMP+CAN	5/32	4.0 TPG (m)		U A	4473	COMPOSITE	1/8	3.0 TPG		U A
1632	COMP+CAN	3/16	5.0 TPG		U A	4474	COMPOSITE	5/32	4.0 TPG		U A
1865	COMP+CAN	3/16	5.0 TPG (m)		U A	3714	COMPOSITE	3/16	5.0 TPG		U A
1633	COMP+CAN	1/4	6.0 TPG		U A	3715	COMPOSITE	1/4	6.0 TPG		U A
3002	COMP+CAN	1/4	6.0 TPG (m)		U A	3718	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A
2382	COMP+CAN	5/16	8.0 TPG		U A	3720	COMPOSITE	(H)	8 LTG (b)(A)	(.060)	U A
1634	COMP+CAN	3/8	10.0 TPG		U A	3716	COMPOSITE	3/8	10.0 TPG		U A
3003	COMP+CAN	3/8	10.0 TPG (m)		U A	5513	COMPOSITE	(H)	10-12 LTG (b)(A)	(.030)	U A
Gulf Glass Industries, LLC ; Sharjah, United Arab Emirates:						3717	COMPOSITE	1/2	12.0 TPG		U A
4796	COMPOSITE	1/4	6.0 TPG		U A	Integral Seal Mfg. Inc. ; Concord, ON Canada:					
6326	COMPOSITE	5/16	8.0 TPG		U A	4682	COMP+CAN	5/32	4.0 TPG		U A
4799	COMPOSITE	(H)	8 LTG (b)(A)	(.030)	U A	4683	COMP+CAN	3/16	5.0 TPG		U A
4797	COMPOSITE	3/8	10.0 TPG		U A						
4798	COMPOSITE	*	12.0 TPG (7)		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
4684	COMP+CAN	1/4	6.0 TTG		U A	4310	COMP+CAN	3/4	19.0 TTG		U A
7245	COMP+CAN	(H)	10-12 LTG (ev)(A)	(.060)	U A	Jiangsu Chunge Glass Co., Ltd. ; Nantong City, Jiangsu Province:					
Integrity Glass Tempering, LLC. ; Venice , FL:						7527	COMPOSITE	1/8	3.0 TTG		U A
6666	COMPOSITE	3/16	5.0 TTG		U A	Jiangyin Mingyang Glass Production ; Jiangyin City, Jiangsu:					
7097	COMPOSITE	3/16	5.0 TPG (m)		U A	5777	COMPOSITE	*	3.0 TTG (3)		U A
6635	COMPOSITE	1/4	6.0 TTG		U A	5778	COMP+CAN	5/32	4.0 TTG		U A
6636	COMPOSITE	3/8	10.0 TTG		U A	6478	COMPOSITE	5/32	4.0 TPG (m)		U A
6637	COMPOSITE	1/2	12.0 TTG		U A	6479	COMPOSITE	3/16	5.0 TPG (m)		U A
Inter Fonction Ltee ; Sherbrooke, Quebec:						7598	COMPOSITE	3/16	5.0 TTG		U A
7235	COMP+CAN	3/8	10.0 TTG		U A	5779	COMP+CAN	1/4	6.0 TTG		U A
8089	COMP+CAN	1/2	12.0 TTG		U A	7258	COMP+CAN	1/4	6.0 TBG		U A
Intigral ; Quakertown, PA:						7870	COMP+CAN	1/4	6.0 TPG (s)		U A
8199	COMP+CAN	1/8	3.0 TPG (m)		U A	5780	COMP+CAN	5/16	8.0 TTG		U A
8200	COMP+CAN	1/8	3.0 TTG		U A	6203	COMPOSITE	3/8	10.0 TTG		U A
8201	COMP+CAN	5/32	4.0 TTG		U A	Jinzhou Fortune Spring Glass Co., Ltd. ; Jinzhou, Liaoning, China:					
8202	COMP+CAN	3/16	5.0 TTG		U A	7268	COMP+CAN	1/8	3.0 TTG		U A
Intigral ; Walton Hills, OH:						JM Glass ; Hayward, CA:					
2050	COMP+CAN	1/8	3.0 TTG		U A	4928	COMPOSITE	3/16	5.0 TTG		U A
3631	COMP+CAN	1/8	3.0 TPG (m)		U A	4929	COMPOSITE	1/4	6.0 TTG		U A
2051	COMP+CAN	5/32	4.0 TTG		U A	4930	COMPOSITE	3/8	10.0 TTG		U A
4588	COMP+CAN	5/32	4.0 TPG (m)		U A	4931	COMPOSITE	1/2	12.0 TTG		U A
2052	COMP+CAN	3/16	5.0 TTG		U A	JYC Glass Co. Ltd. ; Foshan, Guangdong, China:					
8048	COMP+CAN	3/16	5.0 TPG (m)		U A	3957	COMP+CAN	1/8	3.0 TTG		U A
2055	COMP+CAN	1/4	6.0 TTG		U A	3958	COMP+CAN	5/32	4.0 TTG		U A
Isoterglass SRL ; Galliera Veneta, Padova, Italy:						3991	COMP+CAN	5/32	4.0 TBG		U A
8169	COMP+CAN	3/16	5.0 TTG		U A	4161	COMP+CAN	5/32	4.0 TPG (s)		U A
8170	COMP+CAN	1/4	6.0 TTG		U A	3959	COMP+CAN	3/16	5.0 TTG		U A
8171	COMP+CAN	5/16	8.0 TTG		U A	3992	COMP+CAN	3/16	5.0 TBG		U A
8172	COMP+CAN	3/8	10.0 TTG		U A	6619	COMP+CAN	3/16	5.0 TBP (s)		U A
8173	COMP+CAN	1/2	12.0 TTG		U A	6621	COMP+CAN	3/16	5.0 TPG (s)		U A
J&C International Ltd. ; Zhejiang, China:						3960	COMP+CAN	1/4	6.0 TTG		U A
6676	COMP+CAN	1/8	3.0 TTG		U A	3993	COMP+CAN	1/4	6.0 TBG		U A
8205	COMP+CAN	5/32	4.0 TBG		U A	6620	COMP+CAN	1/4	6.0 TBP (s)		U A
8209	COMP+CAN	5/32	4.0 TTG		U A	6622	COMP+CAN	1/4	6.0 TPG (s)		U A
8206	COMP+CAN	3/16	5.0 TBG		U A	3961	COMP+CAN	5/16	8.0 TTG		U A
J&Y Glass Services ; Naples, FL:						3994	COMP+CAN	5/16	8.0 TBG		U A
8077	COMPOSITE	1/4	6.0 TTG		U A	3962	COMP+CAN	3/8	10.0 TTG		U A
8078	COMPOSITE	3/8	10.0 TTG		U A	3963	COMP+CAN	1/2	12.0 TTG		U A
8079	COMPOSITE	1/2	12.0 TTG		U A	Kensington Glass Arts ; Ijamsville, MD:					
J.C. Moag Corporation ; Georgetown, IN:						5973	COMPOSITE	1/4	6.0 TTG		U A
8238	COMPOSITE	(H)	10-16+ LTG (ev)(A)	(.060)	U A	5974	COMPOSITE	3/8	10.0 TTG		U A
8313	COMPOSITE	(H)	12 LTG (ip)(A)	(.060)	U A	5975	COMPOSITE	1/2	12.0 TTG		U A
Jiangmen Jianghai Jin Ying Tempered Glass Ltd. ; Jiangmen City, Guangdong:						5976	COMPOSITE	5/8	16.0 TTG		U A
7574	COMP+CAN	3/16	5.0 TTG		U A	5977	COMPOSITE	3/4	19.0 TTG		U A
7575	COMP+CAN	1/4	6.0 TTG		U A	Kensington Glass Arts ; Sterling, VA:					
7576	COMP+CAN	5/16	8.0 TTG		U A	8266	COMPOSITE	3/16	5.0 TTG		U A
7577	COMP+CAN	3/8	10.0 TTG		U A	8267	COMPOSITE	1/4	6.0 TTG		U A
7578	COMP+CAN	*	12.0 TTG (4)		U A	8268	COMPOSITE	5/16	8.0 TTG		U A
Jiangmen SYP Engineering Glass Co, Ltd. ; Guangdong, China:						8269	COMPOSITE	3/8	10.0 TTG		U A
4303	COMP+CAN	5/32	4.0 TTG (IN)		U A	8270	COMPOSITE	1/2	12.0 TTG		U A
4304	COMP+CAN	3/16	5.0 TTG		U A	8271	COMPOSITE	5/8	16.0 TTG		U A
4305	COMP+CAN	1/4	6.0 TTG		U A	8273	COMPOSITE	(H)	16+ LTG (ev)(A)	(.030)	U A
5052	COMP+CAN	1/4	6.0 TBG (IN)		U A	8272	COMPOSITE	3/4	19.0 TTG		U A
4306	COMP+CAN	5/16	8.0 TTG		U A	KFK d.o.o. ; Dugo Selo, Croatia:					
5053	COMP+CAN	5/16	8.0 TBG (IN)		U A	8108	COMPOSITE	5/16	8.0 TTG		U A
4312	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	8109	COMPOSITE	(H)	10 LTG (b)(A)	(.030)	U A
4307	COMP+CAN	3/8	10.0 TTG		U A	Kohler Company ; Union City, TN:					
5054	COMP+CAN	3/8	10.0 TBG (IN)		U A	1979	COMP+CAN	1/8	3.0 TTG		U A
4575	COMP+CAN	(H)	10-16+ LTG (ip)(A)	(.060)	U A	1983	COMP+CAN	1/8	3.0 TPG (m)		U A
4308	COMP+CAN	1/2	12.0 TTG		U A	1980	COMP+CAN	5/32	4.0 TTG		U A
5055	COMP+CAN	1/2	12.0 TBG (IN)		U A	3532	COMP+CAN	5/32	4.0 TPG (m)		U A
4309	COMP+CAN	*	15.0 TTG (4)		U A	1981	COMP+CAN	3/16	5.0 TTG		U A
						1984	COMP+CAN	3/16	5.0 TPG (s)		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE	ANSI	SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE	ANSI
		(THICKNESS CLASS)		CERTIFIED	CLASS			(THICKNESS CLASS)		CERTIFIED	CLASS
1982	COMP+CAN	1/4	6.0 TTG		U A	6924	COMP+CAN	5/16	8.0 TTG		U A
2918	COMPOSITE	1/4	6.0 TPG (m)(IN)		U A	6925	COMP+CAN	3/8	10.0 TTG		U A
4668	COMP+CAN	5/16	8.0 TTG		U A	7286	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.030)	U A
2434	COMP+CAN	3/8	10.0 TTG		U A	6926	COMP+CAN	1/2	12.0 TTG		U A
4012	COMP+CAN	1/2	12.0 TTG		U A	Luoyang LandGlass Technology Co., LTD ; Luoyang, China:					
La Tecnica Nel Vetro SpA ; Scafati, Salerno, Italy:						7622	COMPOSITE	5/16	8.0 VIGT		U A
7174	COMP+CAN	3/16	5.0 TTG		U A	6476	COMPOSITE	3/8	10.0 VIGT		U A
7168	COMP+CAN	1/4	6.0 TTG		U A	M Industria S.A. DE C.V. ; Conkal:					
7167	COMP+CAN	5/16	8.0 TTG		U A	7708	COMP+CAN	1/8	3.0 TTG		U A
7169	COMP+CAN	(H)	8-12 LTG (b)(A)	(.015)	U A	7709	COMP+CAN	5/32	4.0 TTG		U A
7166	COMP+CAN	3/8	10.0 TTG		U A	7682	COMP+CAN	3/16	5.0 TTG		U A
7165	COMP+CAN	1/2	12.0 TTG		U A	7683	COMP+CAN	1/4	6.0 TTG		U A
Laurier Architectural inc. ; Montreal, QC:						7688	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A
6217	COMP+CAN	1/8	3.0 TTG		U A	7690	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
6218	COMP+CAN	5/32	4.0 TTG		U A	8054	COMP+CAN	1/4	6.0 TBG		U A
6219	COMP+CAN	3/16	5.0 TTG		U A	7684	COMP+CAN	5/16	8.0 TTG		U A
6220	COMP+CAN	1/4	6.0 TTG		U A	7689	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
6221	COMP+CAN	3/8	10.0 TTG		U A	7691	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
6222	COMP+CAN	1/2	12.0 TTG		U A	7685	COMP+CAN	3/8	10.0 TTG		U A
Laurier Architectural, Inc. ; Laurier-Station, QC:						8055	COMP+CAN	3/8	10.0 TBG		U A
8121	COMP+CAN	5/32	4.0 TTG		U A	7686	COMP+CAN	1/2	12.0 TTG		U A
8122	COMP+CAN	3/16	5.0 TTG		U A	8056	COMP+CAN	1/2	12.0 TBG		U A
8123	COMP+CAN	1/4	6.0 TTG		U A	7687	COMP+CAN	3/4	19.0 TTG		U A
8126	COMP+CAN	(H)	8-12 LTG (b)(A)	(.030)	U A	M&M Tempering Inc. ; Loganville, GA:					
8124	COMP+CAN	3/8	10.0 TTG		U A	4280	COMPOSITE	1/4	6.0 TTG		U A
8125	COMP+CAN	1/2	12.0 TTG		U A	4281	COMPOSITE	3/8	10.0 TTG		U A
Legacy Glass and Mirror, LLC. ; Irving, TX:						4282	COMPOSITE	1/2	12.0 TTG		U A
8053	COMPOSITE	3/16	5.0 TTG		U A	M3 Glass Technologies ; Irving, TX:					
7600	COMPOSITE	1/4	6.0 TTG		U A	5945	COMPOSITE	1/4	6.0 TTG		U A
7601	COMPOSITE	3/8	10.0 TTG		U A	5946	COMPOSITE	3/8	10.0 TTG		U A
7602	COMPOSITE	1/2	12.0 TTG		U A	5947	COMPOSITE	1/2	12.0 TTG		U A
Les Verres VMIK Inc. ; Gatineau, QC:						Manko Window Systems ; Aurora, CO:					
6893	COMP+CAN	5/32	4.0 TTG		U A	6275	COMPOSITE	1/8	3.0 TTG		U A
6894	COMP+CAN	3/16	5.0 TTG		U A	6276	COMPOSITE	5/32	4.0 TTG		U A
6895	COMP+CAN	1/4	6.0 TTG		U A	6277	COMPOSITE	3/16	5.0 TTG		U A
6896	COMP+CAN	3/8	10.0 TTG		U A	6278	COMPOSITE	1/4	6.0 TTG		U A
6897	COMP+CAN	1/2	12.0 TTG		U A	6279	COMPOSITE	3/8	10.0 TTG		U A
Lien Yeu GLASSTECH (M) SDN BHD ; Malaysia:						6280	COMPOSITE	1/2	12.0 TTG		U A
7358	COMPOSITE	5/32	4.0 TTG		U A	Manko Window Systems- KS ; Manhattan, KS:					
7359	COMPOSITE	3/16	5.0 TTG		U A	6833	COMPOSITE	1/8	3.0 TPG (s)		U A
7360	COMPOSITE	1/4	6.0 TTG		U A	6826	COMPOSITE	5/32	4.0 TTG		U A
7361	COMPOSITE	5/16	8.0 TTG		U A	6827	COMPOSITE	3/16	5.0 TTG		U A
7362	COMPOSITE	3/8	10.0 TTG		U A	6834	COMPOSITE	3/16	5.0 TPG (m)		U A
8038	COMPOSITE	*	12.0 TTG (3)		U A	6828	COMPOSITE	1/4	6.0 TTG		U A
Lippert Components ; Bristol, IN:						6835	COMPOSITE	1/4	6.0 TPG (m)		U A
8061	COMP+CAN	1/8	3.0 TTG		U A	6829	COMPOSITE	3/8	10.0 TTG		U A
8062	COMP+CAN	1/4	6.0 TTG		U A	6836	COMPOSITE	3/8	10.0 TPG (m)		U A
LongDing Glass Production Co., Ltd. ; Dongguan, Guangdong:						6830	COMPOSITE	1/2	12.0 TTG		U A
8175	COMPOSITE	3/16	5.0 TTG		U A	Manko Windows ; Des Moines, IA:					
8176	COMPOSITE	1/4	6.0 TTG		U A	6286	COMPOSITE	1/8	3.0 TTG		U A
8177	COMPOSITE	5/16	8.0 TTG		U A	6292	COMPOSITE	1/8	3.0 TPG (m)		U A
8178	COMPOSITE	3/8	10.0 TTG		U A	6287	COMPOSITE	5/32	4.0 TTG		U A
8333	COMPOSITE	3/8	10.0 TPG (m)		U A	6293	COMPOSITE	5/32	4.0 TPG (m)		U A
Louisville Plate Glass ; Louisville, KY:						6288	COMPOSITE	3/16	5.0 TTG		U A
6070	COMPOSITE	1/8	3.0 TTG		U A	6294	COMPOSITE	3/16	5.0 TPG (d)		U A
6072	COMPOSITE	3/16	5.0 TTG		U A	6289	COMPOSITE	1/4	6.0 TTG		U A
6073	COMPOSITE	1/4	6.0 TTG		U A	6295	COMPOSITE	1/4	6.0 TPG (m)		U A
6074	COMPOSITE	3/8	10.0 TTG		U A	6290	COMPOSITE	3/8	10.0 TTG		U A
6075	COMPOSITE	1/2	12.0 TTG		U A	6296	COMPOSITE	3/8	10.0 TPG (m)		U A
LTI Smart Glass, Inc. ; Pittsfield, MA:						6291	COMPOSITE	1/2	12.0 TTG		U A
7079	COMP+CAN	1/8	3.0 TTG		U A	Maryland Glass & Mirror ; Baltimore, MD:					
6922	COMP+CAN	3/16	5.0 TTG		U A	4318	COMPOSITE	1/8	3.0 TTG		U A
6923	COMP+CAN	1/4	6.0 TTG		U A	4319	COMPOSITE	3/16	5.0 TTG		U A
						4320	COMPOSITE	1/4	6.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
		(THICKNESS CLASS)						(THICKNESS CLASS)			
8066	COMPOSITE	5/16	8.0 TTG		U A	2499	COMP+CAN	1/4	6.0 TTG		U A
4321	COMPOSITE	3/8	10.0 TTG		U A	5226	COMP+CAN	5/16	8.0 TTG		U A
4322	COMPOSITE	1/2	12.0 TTG		U A	5227	COMP+CAN	3/8	10.0 TTG		U A
7022	COMPOSITE	3/4	19.0 TTG		U A	5228	COMP+CAN	1/2	12.0 TTG		U A
Maxividrio S.De R. L. de C.V. ; Cancun:						Multiver Ltee ; Saint-Leonard (Quebec), Canada:					
8293	COMP+CAN	(H)	12 LTG (b)(HS)	(.090)	U A	6978	COMP+CAN	3/16	5.0 TTG		U A
McGrory Glass ; Paulsboro, NJ:						7546	COMP+CAN	(S)	6 LTG (b)(A)	(.015)	U A
4925	COMPOSITE	3/16	5.0 TTG		U A	7548	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
4813	COMPOSITE	1/4	6.0 TTG		U A	6980	COMP+CAN	3/8	10.0 TTG		U A
4818	COMPOSITE	1/4	6.0 TPG (m)		U A	7547	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.015)	U A
7287	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A	Nashville Tempered Glass Corp. ; Nashville, TN:					
5263	COMPOSITE	(H)	8-12 LTG (b)(A)	(.030)	U A	1416	COMP+CAN	1/8	3.0 TTG		U A
4814	COMPOSITE	3/8	10.0 TTG		U A	2497	COMP+CAN	5/32	4.0 TTG		U A
4819	COMPOSITE	3/8	10.0 TPG (s)		U A	1467	COMP+CAN	3/16	5.0 TTG		U A
4815	COMPOSITE	1/2	12.0 TTG		U A	1417	COMP+CAN	1/4	6.0 TTG		U A
4820	COMPOSITE	1/2	12.0 TPG (s)(IN)		U A	5729	COMP+CAN	5/16	8.0 TTG		U A
4816	COMPOSITE	5/8	16.0 TTG		U A	2494	COMP+CAN	3/8	10.0 TTG		U A
4817	COMPOSITE	3/4	19.0 TTG		U A	Nashville Tempered Glass LLC ; Hendersonville, TN:					
Megaluminio Servicios S. A. de C.V. DBA Megaglass ; Atlacomulco, Mexico:						2691	COMP+CAN	5/32	4.0 TTG		U A
8264	COMP+CAN	1/4	6.0 TTG		U A	2692	COMP+CAN	3/16	5.0 TTG		U A
8265	COMP+CAN	3/8	10.0 TTG		U A	2693	COMP+CAN	1/4	6.0 TTG		U A
8354	COMP+CAN	(H)	12-16+ LTG (b)(A)	(.015)	U A	8413	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A
Mercer Glass Fab LLC ; Trenton, NJ:						5229	COMP+CAN	(S)	5-6 LTG (b)(A)	(.015)	U B
4257	COMPOSITE	1/4	6.0 TPG (m)		U A	5230	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.015)	U A
7671	COMPOSITE	1/4	6.0 TTG		U A	5231	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
4530	COMPOSITE	5/16	8.0 TTG		U A	7980	COMP+CAN	5/16	8.0 TTG		U A
4255	COMPOSITE	3/8	10.0 TTG		U A	2694	COMP+CAN	3/8	10.0 TTG		U A
4258	COMPOSITE	3/8	10.0 TPG (m)		U A	4148	COMP+CAN	1/2	12.0 TTG		U A
4256	COMPOSITE	1/2	12.0 TTG		U A	5454	COMP+CAN	3/4	19.0 TTG		U A
Mid-American Glass ; Davenport, IA:						New Angle Beveling ; Clearfield, PA:					
7227	COMPOSITE	1/8	3.0 TTG		U A	5772	COMPOSITE	1/8	3.0 TTG		U A
7228	COMPOSITE	5/32	4.0 TTG		U A	5774	COMPOSITE	3/16	5.0 TTG		U A
7229	COMPOSITE	3/16	5.0 TTG		U A	5773	COMPOSITE	1/4	6.0 TTG		U A
7230	COMPOSITE	1/4	6.0 TTG		U A	5775	COMPOSITE	3/8	10.0 TTG		U A
7231	COMPOSITE	3/8	10.0 TTG		U A	5776	COMPOSITE	1/2	12.0 TTG		U A
7232	COMPOSITE	1/2	12.0 TTG		U A	New Angle Beveling ; Hyde, PA:					
Midwest Glass Fabricators Inc. ; Highland, MI:						4593	COMPOSITE	1/8	3.0 TTG		U A
6027	COMP+CAN	1/8	3.0 TTG		U A	4594	COMPOSITE	3/16	5.0 TTG		U A
6028	COMP+CAN	5/32	4.0 TTG		U A	4595	COMPOSITE	1/4	6.0 TTG		U A
6029	COMP+CAN	3/16	5.0 TTG		U A	4591	COMPOSITE	3/8	10.0 TTG		U A
7920	COMP+CAN	3/16	5.0 TPG (m)		U A	4592	COMPOSITE	1/2	12.0 TTG		U A
6030	COMP+CAN	1/4	6.0 TTG		U A	New Century Glass & Aluminum LLC ; Woodside, NY:					
7921	COMP+CAN	1/4	6.0 TPG (s)		U A	5455	COMPOSITE	3/16	5.0 TTG		U A
6031	COMP+CAN	3/8	10.0 TTG		U A	5456	COMPOSITE	1/4	6.0 TTG		U A
6037	COMP+CAN	3/8	10.0 TPG (m)		U A	5457	COMPOSITE	3/8	10.0 TTG		U A
6032	COMP+CAN	1/2	12.0 TTG		U A	5458	COMPOSITE	1/2	12.0 TTG		U A
6033	COMP+CAN	5/8	16.0 TTG		U A	Ningbo Xinxin Glass Technology Co., Ltd ; Ningbo, China:					
6034	COMP+CAN	3/4	19.0 TTG		U A	6271	COMPOSITE	5/32	4.0 TTG		U A
Mirror Works Inc. ; Ottawa, Ontario:						6273	COMPOSITE	5/32	4.0 TPG (m)		U A
8164	COMP+CAN	5/32	4.0 TTG		U A	6272	COMPOSITE	1/4	6.0 TTG		U A
8165	COMP+CAN	3/16	5.0 TTG		U A	6274	COMPOSITE	1/4	6.0 TPG (s)		U A
8166	COMP+CAN	1/4	6.0 TTG		U A	6845	COMPOSITE	3/8	10.0 TPG (s)		U A
8167	COMP+CAN	3/8	10.0 TTG		U A	7873	COMPOSITE	3/8	10.0 TTG		U A
8168	COMP+CAN	1/2	12.0 TTG		U A	Niskayuna Glass ; Schenectady, NY:					
Mr. Glass Tempering, LLC ; Brooklyn, NY:						7471	COMP+CAN	1/8	3.0 TTG		U A
7170	COMP+CAN	3/16	5.0 TTG		U A	7472	COMP+CAN	3/16	5.0 TTG		U A
7171	COMP+CAN	1/4	6.0 TTG		U A	7473	COMP+CAN	1/4	6.0 TTG		U A
7172	COMP+CAN	3/8	10.0 TTG		U A	Nissink Business Glass BV ; IJsselmuideren, Overijssel:					
7173	COMP+CAN	1/2	12.0 TTG		U A	8414	COMP+CAN	1/4	6.0 TBG		U A
Multiver ; Vanier, QC:						8415	COMP+CAN	5/16	8.0 TTG		U A
2498	COMP+CAN	1/8	3.0 TTG		U A	8416	COMP+CAN	3/8	10.0 TTG		U A
2629	COMP+CAN	5/32	4.0 TTG		U A	Norfinch Glass & Mirror Mfg. Ltd. ; Etobicoke, Ontario:					
6890	COMP+CAN	3/16	5.0 TTG		U A	8252	COMP+CAN	1/4	6.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
8253	COMP+CAN	3/8	10.0 TTG		U A	3270	COMP+CAN	5/8	16.0 TTG		U A
8254	COMP+CAN	1/2	12.0 TTG		U A	3271	COMP+CAN	3/4	19.0 TTG		U A
Northeast Building Products ; Philadelphia, PA:						Oldcastle BuildingEnvelope® ; Concord, ON:					
7281	COMPOSITE	1/8	3.0 TTG		U A	3440	COMP+CAN	5/32	4.0 TTG		U A
8084	COMPOSITE	1/8	3.0 TPG (s)		U A	3441	COMP+CAN	3/16	5.0 TTG		U A
7282	COMPOSITE	5/32	4.0 TTG (IN)		U A	4424	COMP+CAN	3/16	5.0 TPG (s)		U A
7283	COMPOSITE	3/16	5.0 TTG		U A	3442	COMP+CAN	1/4	6.0 TTG		U A
Northwestern Glass Fab ; Fridley, MN:						Oldcastle BuildingEnvelope® ; Covington, GA:					
6733	COMP+CAN	1/8	3.0 TTG		U A	3443	COMP+CAN	5/16	8.0 TTG		U A
6734	COMP+CAN	3/16	5.0 TTG		U A	3444	COMP+CAN	3/8	10.0 TTG		U A
6735	COMP+CAN	1/4	6.0 TTG		U A	3448	COMP+CAN	3/8	10.0 TPG (s)		U A
6736	COMP+CAN	3/8	10.0 TTG		U A	3445	COMP+CAN	1/2	12.0 TTG		U A
6737	COMP+CAN	1/2	12.0 TTG		U A	3446	COMP+CAN	5/8	16.0 TTG		U A
Northwestern Industries - Arizona, Inc. ; Yuma, AZ:						Oldcastle BuildingEnvelope® ; Denver, CO:					
6566	COMPOSITE	3/16	5.0 TTG		U A	3331	COMP+CAN	3/16	5.0 TTG		U A
6567	COMPOSITE	1/4	6.0 TTG		U A	3332	COMP+CAN	1/4	6.0 TTG		U A
6568	COMPOSITE	5/16	8.0 TTG		U A	6697	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
6569	COMPOSITE	3/8	10.0 TTG		U A	8407	COMP+CAN	5/16	8.0 TTG		U A
Novatech Canada Inc. ; St-Agapit, Quebec, Canada:						Oldcastle BuildingEnvelope® ; Fremont, CA:					
7006	COMP+CAN	1/8	3.0 TTG		U A	3333	COMP+CAN	3/8	10.0 TTG		U A
7007	COMP+CAN	5/32	4.0 TTG		U A	4392	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.030)	U A
7008	COMP+CAN	3/16	5.0 TTG		U A	4393	COMP+CAN	(H)	10-12 LTG (ip)(A)	(.035)	U A
Novavetro S.r.l. ; San Severino Marche, Italy:						Oldcastle BuildingEnvelope® ; Grand Prairie, TX:					
7768	COMP+CAN	3/16	5.0 TTG		U A	3334	COMP+CAN	1/2	12.0 TTG		U A
7769	COMP+CAN	1/4	6.0 TTG		U A	4390	COMP+CAN	5/8	16.0 TTG		U A
7774	COMP+CAN	(S)	6 LTG (b)(A)	(.015)	U A	3335	COMP+CAN	3/4	19.0 TTG		U A
7770	COMP+CAN	5/16	8.0 TTG		U A	3310	COMP+CAN	1/8	3.0 TTG		U A
7775	COMP+CAN	(H)	8-12 LTG (b)(A)	(.015)	U A	3317	COMP+CAN	1/8	3.0 TPG (s)		U A
7771	COMP+CAN	3/8	10.0 TTG		U A	3311	COMP+CAN	5/32	4.0 TTG		U A
7772	COMP+CAN	1/2	12.0 TTG		U A	3318	COMP+CAN	5/32	4.0 TPG (d)		U A
8365	COMP+CAN	(H)	12, 16+ LTG (ip)(A)	(.035)	U A	3312	COMP+CAN	3/16	5.0 TTG		U A
7773	COMP+CAN	*	15.0 TTG (4)		U A	3319	COMP+CAN	3/16	5.0 TPG (m)		U A
7776	COMP+CAN	(H)	16+ LTG (b)(A)	(.030)	U A	3313	COMP+CAN	1/4	6.0 TTG		U A
NY Tempering LLC ; Maspeth, NY:						Oldcastle BuildingEnvelope® ; Grand Prairie, TX:					
4900	COMPOSITE	3/16	5.0 TTG		U A	3320	COMP+CAN	1/4	6.0 TPG (m)		U A
4901	COMPOSITE	1/4	6.0 TTG		U A	4533	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
4902	COMPOSITE	3/8	10.0 TTG		U A	4454	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
4903	COMPOSITE	1/2	12.0 TTG		U A	3314	COMP+CAN	3/8	10.0 TTG		U A
Oldcastle BuildingEnvelope® ; Albertville, MN:						Oldcastle BuildingEnvelope® ; Grand Prairie, TX:					
3104	COMP+CAN	1/8	3.0 TTG		U A	3321	COMP+CAN	3/8	10.0 TPG (m)		U A
3105	COMP+CAN	5/32	4.0 TTG		U A	3315	COMP+CAN	1/2	12.0 TTG		U A
3106	COMP+CAN	3/16	5.0 TTG		U A	6056	COMP+CAN	(H)	12-16+ LTG (ip)(A)	(.060)	U A
3107	COMP+CAN	1/4	6.0 TTG		U A	Oldcastle BuildingEnvelope® ; Grand Prairie, TX:					
8081	COMPOSITE	(S)	6 LTG (A)(b)	(.030)	U A	3191	COMP+CAN	1/8	3.0 TTG		U A
4882	COMP+CAN	5/16	8.0 TTG		U A	3199	COMP+CAN	1/8	3.0 TPG (s)		U A
8082	COMPOSITE	(H)	8-16+ LTG (b)(A)	(.030)	U A	3192	COMP+CAN	5/32	4.0 TTG		U A
8083	COMPOSITE	(H)	8-16+ LTG (ip)(A)	(.060)	U A	3200	COMP+CAN	5/32	4.0 TPG (d)		U A
3108	COMP+CAN	3/8	10.0 TTG		U A	3193	COMP+CAN	3/16	5.0 TTG		U A
3127	COMP+CAN	3/8	10.0 TPG (m)		U A	3201	COMP+CAN	3/16	5.0 TPG (m)		U A
3109	COMP+CAN	1/2	12.0 TTG		U A	3194	COMP+CAN	1/4	6.0 TTG		U A
3110	COMP+CAN	5/8	16.0 TTG		U A	3907	COMP+CAN	1/4	6.0 TPG (m)		U A
3111	COMP+CAN	3/4	19.0 TTG		U A	7879	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
Oldcastle BuildingEnvelope® ; Calgary, AB:						Oldcastle BuildingEnvelope® ; Grand Prairie, TX:					
3263	COMP+CAN	1/8	3.0 TTG		U A	5387	COMP+CAN	5/16	8.0 TTG		U A
3264	COMP+CAN	5/32	4.0 TTG		U A	4460	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
3273	COMP+CAN	5/32	4.0 TPG (d)		U A	4461	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.060)	U A
3265	COMP+CAN	3/16	5.0 TTG		U A	3195	COMP+CAN	3/8	10.0 TTG		U A
3274	COMP+CAN	3/16	5.0 TPG (d)		U A	3203	COMP+CAN	3/8	10.0 TPG (m)		U A
3266	COMP+CAN	1/4	6.0 TTG		U A	3196	COMP+CAN	1/2	12.0 TTG		U A
3275	COMP+CAN	1/4	6.0 TPG (m)		U A	4458	COMP+CAN	5/8	16.0 TTG		U A
3267	COMP+CAN	5/16	8.0 TTG		U A	3197	COMP+CAN	3/4	19.0 TTG		U A
3262	COMP+CAN	3/8	10.0 TPG (d)		U A	Oldcastle BuildingEnvelope® ; Grand Prairie, TX:					
3268	COMP+CAN	3/8	10.0 TTG		U A	3250	COMP+CAN	1/8	3.0 TTG		U A
3269	COMP+CAN	1/2	12.0 TTG		U A	3426	COMP+CAN	5/32	4.0 TPG (m)(IN)		U A
						3252	COMP+CAN	3/16	5.0 TTG		U A
						3427	COMP+CAN	3/16	5.0 TPG (s)		U A
						3253	COMP+CAN	1/4	6.0 TTG		U A
						7099	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
						7109	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.060)	U A
						3255	COMP+CAN	3/8	10.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
3428	COMP+CAN	3/8	10.0 TPG (s)		U A	7877	COMP+CAN (S)	6 LTG (b)(A)	(.030)	U A	
3256	COMP+CAN	1/2	12.0 TTG		U A	7848	COMP+CAN 5/16	8.0 TTG		U A	
7039	COMP+CAN	5/8	16.0 TTG		U A	4398	COMP+CAN (H)	8-16+ LTG (b)(A)	(.030)	U A	
Oldcastle BuildingEnvelope® ; Hauppauge, NY:						4399	COMP+CAN (H)	8-16+ LTG (ip)(A)	(.035)	U A	
1546	COMP+CAN	1/8	3.0 TTG		U A	3499	COMP+CAN 3/8	10.0 TTG		U A	
1547	COMP+CAN	3/16	5.0 TTG		U A	3503	COMP+CAN 3/8	10.0 TPG (s)		U A	
1548	COMP+CAN	1/4	6.0 TTG		U A	3500	COMP+CAN 1/2	12.0 TTG		U A	
3392	COMP+CAN (S)	6 LTG (b)(A)	(.030)	U A	7849	COMP+CAN 5/8	16.0 TTG		U A		
4180	COMP+CAN 5/16	8.0 TTG		U A	7850	COMP+CAN 3/4	19.0 TTG		U A		
4618	COMP+CAN (H)	8-16+ LTG (b)(A)	(.030)	U A	Oldcastle BuildingEnvelope® ; Moorestown, NJ:						
1549	COMP+CAN 3/8	10.0 TTG		U A	3180	COMP+CAN 1/8	3.0 TTG		U A		
5355	COMP+CAN (H)	10-16+ LTG (ip)(A)	(.060)	U A	3186	COMP+CAN 1/8	3.0 TPG (s)		U A		
1550	COMP+CAN 1/2	12.0 TTG		U A	3181	COMP+CAN 5/32	4.0 TTG		U A		
Oldcastle BuildingEnvelope® ; Indianapolis, IN:						3187	COMP+CAN 5/32	4.0 TPG (m)		U A	
2210	COMP+CAN 1/8	3.0 TTG		U A	3182	COMP+CAN 3/16	5.0 TTG		U A		
4384	COMP+CAN 1/8	3.0 TPG (m)		U A	3188	COMP+CAN 3/16	5.0 TPG (m)		U A		
2216	COMP+CAN 5/32	4.0 TTG		U A	3183	COMP+CAN 1/4	6.0 TTG		U A		
2211	COMP+CAN 3/16	5.0 TTG		U A	3189	COMP+CAN 1/4	6.0 TPG (m)		U A		
2215	COMP+CAN 3/16	5.0 TPG (m)		U A	3184	COMP+CAN 3/8	10.0 TTG		U A		
2212	COMP+CAN 1/4	6.0 TTG		U A	3190	COMP+CAN 3/8	10.0 TPG (m)		U A		
5442	COMP+CAN 1/4	6.0 TPG (m)		U A	3185	COMP+CAN 1/2	12.0 TTG		U A		
2213	COMP+CAN 3/8	10.0 TTG		U A	4054	COMP+CAN 5/8	16.0 TTG		U A		
3259	COMP+CAN 3/8	10.0 TPG (m)		U A	Oldcastle BuildingEnvelope® ; Perrysburg, OH:						
2214	COMP+CAN 1/2	12.0 TTG		U A	3233	COMP+CAN 1/8	3.0 TTG		U A		
7250	COMP+CAN 5/8	16.0 TTG		U A	3234	COMP+CAN 5/32	4.0 TTG		U A		
Oldcastle BuildingEnvelope® ; Langley, BC:						3235	COMP+CAN 3/16	5.0 TTG		U A	
3286	COMP+CAN 1/8	3.0 TTG		U A	3243	COMP+CAN 3/16	5.0 TPG (s)		U A		
3295	COMP+CAN 1/8	3.0 TPG (m)		U A	3236	COMP+CAN 1/4	6.0 TTG		U A		
3287	COMP+CAN 5/32	4.0 TTG		U A	3244	COMP+CAN 1/4	6.0 TPG (m)		U A		
3296	COMP+CAN 5/32	4.0 TPG (d)		U A	4700	COMP+CAN (S)	6 LTG (b)(A)	(.030)	U A		
3288	COMP+CAN 3/16	5.0 TTG		U A	4443	COMP+CAN 5/16	8.0 TTG		U A		
3297	COMP+CAN 3/16	5.0 TPG (d)		U A	4444	COMP+CAN (H)	8-16+ LTG (ip)(A)	(.060)	U A		
3289	COMP+CAN 1/4	6.0 TTG		U A	4446	COMP+CAN (H)	8-16+ LTG (b)(A)	(.030)	U A		
4475	COMP+CAN (S)	6 LTG (b)(A)	(.030)	U A	3237	COMP+CAN 3/8	10.0 TTG		U A		
3290	COMP+CAN 5/16	8.0 TTG		U A	3238	COMP+CAN 1/2	12.0 TTG		U A		
4476	COMP+CAN (H)	8-16+ LTG (b)(A)	(.030)	U A	3239	COMP+CAN 5/8	16.0 TTG		U A		
3291	COMP+CAN 3/8	10.0 TTG		U A	3240	COMP+CAN 3/4	19.0 TTG		U A		
4710	COMP+CAN 3/8	10.0 TPG (s)		U A	Oldcastle BuildingEnvelope® ; Phoenix, AZ:						
3292	COMP+CAN 1/2	12.0 TTG		U A	3128	COMP+CAN 1/8	3.0 TTG		U A		
3293	COMP+CAN 5/8	16.0 TTG		U A	7521	COMP+CAN 1/8	3.0 TPG (s)		U A		
3294	COMP+CAN 3/4	19.0 TTG		U A	3130	COMP+CAN 3/16	5.0 TTG		U A		
Oldcastle BuildingEnvelope® ; Los Angeles, CA:						3136	COMP+CAN 3/16	5.0 TPG (m)		U A	
1608	COMP+CAN 1/8	3.0 TTG		U A	3131	COMP+CAN 1/4	6.0 TTG		U A		
1609	COMP+CAN 5/32	4.0 TTG		U A	3999	COMP+CAN 1/4	6.0 TPG (m)		U A		
630	COMP+CAN 3/16	5.0 TTG		U A	3132	COMP+CAN 3/8	10.0 TTG		U A		
935	COMP+CAN 3/16	5.0 TPG (m)		U A	3729	COMP+CAN 3/8	10.0 TPG (m)		U A		
514	COMP+CAN 1/4	6.0 TTG		U A	3133	COMP+CAN 1/2	12.0 TTG		U A		
7406	COMP+CAN (S)	6 LTG (ip)(A)	(.035)	U A	7262	COMP+CAN 5/8	16.0 TTG		U A		
4346	COMP+CAN (S)	6 LTG (b)(A)	(.030)	U A	6394	COMP+CAN 3/4	19.0 TTG		U A		
4400	COMP+CAN 5/16	8.0 TTG		U A	Oldcastle BuildingEnvelope® ; Rock Hill, SC:						
7407	COMP+CAN (H)	8-16+ LTG (ip)(A)	(.035)	U A	3276	COMP+CAN 1/8	3.0 TTG (IN)		U A		
4563	COMP+CAN (H)	8-16+ LTG (b)(A)	(.030)	U A	3281	COMP+CAN 1/8	3.0 TPG (s)(IN)		U A		
515	COMP+CAN 3/8	10.0 TTG		U A	3462	COMP+CAN 5/32	4.0 TTG		U A		
3793	COMP+CAN 3/8	10.0 TPG (s)		U A	4396	COMP+CAN 5/32	4.0 TPG (d)(IN)		U A		
516	COMP+CAN 1/2	12.0 TTG		U A	3277	COMP+CAN 3/16	5.0 TTG		U A		
4387	COMP+CAN 5/8	16.0 TTG		U A	3283	COMP+CAN 3/16	5.0 TPG (d)		U A		
2074	COMP+CAN 3/4	19.0 TTG		U A	3278	COMP+CAN 1/4	6.0 TTG		U A		
Oldcastle BuildingEnvelope® ; Miami, FL:						4787	COMP+CAN 5/16	8.0 TTG (IN)		U A	
7845	COMP+CAN 1/8	3.0 TTG		U A	3279	COMP+CAN 3/8	10.0 TTG		U A		
7846	COMP+CAN 1/8	3.0 TPG (m)		U A	3285	COMP+CAN 3/8	10.0 TPG (d)		U A		
7847	COMP+CAN 5/32	4.0 TTG		U A	3280	COMP+CAN 1/2	12.0 TTG		U A		
3497	COMP+CAN 3/16	5.0 TTG		U A	Oldcastle BuildingEnvelope® ; Schofield, WI:						
3502	COMP+CAN 3/16	5.0 TPG (m)		U A	3167	COMP+CAN 1/8	3.0 TTG		U A		
3498	COMP+CAN 1/4	6.0 TTG		U A	3168	COMP+CAN 5/32	4.0 TTG		U A		
4477	COMP+CAN 1/4	6.0 TPG (d)		U A	3177	COMP+CAN 5/32	4.0 TPG (s)		U A		
7872	COMP+CAN (S)	6 LTG (ip)(A)	(.035)	U A	3169	COMP+CAN 3/16	5.0 TTG		U A		

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
3178	COMP+CAN	3/16	5.0 TPG (d)		U A	3141	COMP+CAN	5/16	8.0 TTG		U A
3170	COMP+CAN	1/4	6.0 TTG		U A	4527	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
3176	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	4529	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
3171	COMP+CAN	5/16	8.0 TTG		U A	3142	COMP+CAN	3/8	10.0 TTG		U A
6773	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.060)	U A	3143	COMP+CAN	1/2	12.0 TTG		U A
4558	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	Oldcastle BuildingEnvelope® Canada Inc. ; Pointe-aux-Trembles, QC:					
3172	COMP+CAN	3/8	10.0 TTG		U A	4247	COMP+CAN	5/32	4.0 TTG		U A
3173	COMP+CAN	1/2	12.0 TTG		U A	1997	COMP+CAN	3/16	5.0 TTG		U A
Oldcastle BuildingEnvelope® ; Shawnee, OK:						2543	COMP+CAN	1/4	6.0 TTG		U A
3095	COMP+CAN	1/8	3.0 TTG		U A	5024	COMP+CAN	(S)	6 LTG (b)(A)(IN)(.015)(C1)		U B
3101	COMP+CAN	1/8	3.0 TPG (m)		U A	5025	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
3096	COMP+CAN	5/32	4.0 TTG		U A	2884	COMP+CAN	5/16	8.0 TTG		U A
3102	COMP+CAN	5/32	4.0 TPG (m)		U A	4435	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
3097	COMP+CAN	3/16	5.0 TTG		U A	2544	COMP+CAN	3/8	10.0 TTG		U A
3103	COMP+CAN	3/16	5.0 TPG (m)		U A	4433	COMP+CAN	(H)	10-16+ LTG (ip)(A)	(.070)	U A
3098	COMP+CAN	1/4	6.0 TTG		U A	2062	COMP+CAN	1/2	12.0 TTG		U A
3099	COMP+CAN	3/8	10.0 TTG		U A	7397	COMP+CAN	5/8	16.0 TTG		U A
3100	COMP+CAN	1/2	12.0 TTG		U A	7398	COMP+CAN	3/4	19.0 TTG		U A
7603	COMP+CAN	3/4	19.0 TTG		U A	Oldcastle BuildingEnvelope® Houston Southerland ; Houston, TX:					
Oldcastle BuildingEnvelope® ; Tampa, FL:						7909	COMPOSITE	5/32	4.0 TTG		U A
3116	COMP+CAN	1/8	3.0 TTG (IN)		U A	7910	COMPOSITE	3/16	5.0 TTG		U A
3122	COMP+CAN	1/8	3.0 TPG (s)(IN)		U A	7914	COMPOSITE	3/16	5.0 TPG (s)		U A
3118	COMP+CAN	3/16	5.0 TTG		U A	6728	COMPOSITE	1/4	6.0 TTG		U A
3124	COMP+CAN	3/16	5.0 TPG (m)		U A	7908	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A
3119	COMP+CAN	1/4	6.0 TTG		U A	7962	COMPOSITE	(S)	6 LTG (ip)(A)	(.035)	U A
3125	COMP+CAN	1/4	6.0 TPG (m)		U A	6731	COMPOSITE	(H)	8-16+ LTG (ip)(A)	(.035)	U A
4448	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	6732	COMPOSITE	(H)	8-16+ LTG (b)(A)	(.030)	U A
4449	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	7911	COMPOSITE	5/16	8.0 TTG		U A
3120	COMP+CAN	3/8	10.0 TTG		U A	6729	COMPOSITE	3/8	10.0 TTG		U A
4340	COMP+CAN	3/8	10.0 TPG (s)		U A	7915	COMPOSITE	3/8	10.0 TPG (s)		U A
3121	COMP+CAN	1/2	12.0 TTG		U A	6730	COMPOSITE	1/2	12.0 TTG		U A
5051	COMP+CAN	(H)	12 LTG (ip)(A)	(.035)	U A	7912	COMPOSITE	5/8	16.0 TTG		U A
Oldcastle BuildingEnvelope® ; Vancouver, WA:						7913	COMPOSITE	3/4	19.0 TTG		U A
3219	COMP+CAN	1/8	3.0 TTG		U A	Onyx Solar Energy, S.L. ; Avila, Spain:					
3226	COMP+CAN	1/8	3.0 TPG (s)		U A	7071	COMPOSITE	(H)	12 LTG (ev)(HS)	(.080)	U A
3220	COMP+CAN	5/32	4.0 TTG		U A	8184	COMPOSITE	(H)	16+ LTG (ev)(HS)	(.075)	U A
7424	COMP+CAN	5/32	4.0 TPG (s)		U A	7070	COMPOSITE	(H)	16 LSP (ip)(HS)	(.035)x2	U A
3221	COMP+CAN	3/16	5.0 TTG		U A	Opulux Glass ; East Hanover, NJ:					
3228	COMP+CAN	3/16	5.0 TPG (m)		U A	8450	COMP+CAN	3/16	5.0 TTG		U A
3222	COMP+CAN	1/4	6.0 TTG		U A	8451	COMP+CAN	1/4	6.0 TTG		U A
3229	COMP+CAN	1/4	6.0 TPG (m)		U A	8452	COMP+CAN	3/8	10.0 TTG		U A
3223	COMP+CAN	5/16	8.0 TTG		U A	8453	COMP+CAN	1/2	12.0 TTG		U A
3224	COMP+CAN	3/8	10.0 TTG		U A	P&C Tempered Glass, LLC. ; Medley, FL:					
3230	COMP+CAN	3/8	10.0 TPG (m)		U A	8342	COMPOSITE	1/4	6.0 TTG		U A
3225	COMP+CAN	1/2	12.0 TTG		U A	8343	COMPOSITE	3/8	10.0 TTG		U A
Oldcastle BuildingEnvelope® ; Warrenton, MO:						PA Glass Inc. ; Philadelphia, PA:					
3144	COMP+CAN	1/8	3.0 TTG		U A	7692	COMPOSITE	5/32	4.0 TTG		U A
3151	COMP+CAN	1/8	3.0 TPG (s)		U A	7693	COMPOSITE	3/16	5.0 TTG		U A
3145	COMP+CAN	5/32	4.0 TTG		U A	7821	COMPOSITE	*	5.0 TBG (4)(IN)		U A
3152	COMP+CAN	5/32	4.0 TPG (s)		U A	7660	COMPOSITE	1/4	6.0 TTG		U A
3146	COMP+CAN	3/16	5.0 TTG		U A	7822	COMPOSITE	1/4	6.0 TBG (IN)		U A
3153	COMP+CAN	3/16	5.0 TPG (m)		U A	7866	COMPOSITE	(H)	8-16+ LTG (b)(T)	(.015)	U A
3147	COMP+CAN	1/4	6.0 TTG		U A	7661	COMPOSITE	3/8	10.0 TTG		U A
3154	COMP+CAN	1/4	6.0 TPG (m)		U A	7823	COMPOSITE	3/8	10.0 TBG (IN)		U A
3796	COMP+CAN	5/16	8.0 TTG		U A	7662	COMPOSITE	1/2	12.0 TTG		U A
3148	COMP+CAN	3/8	10.0 TTG		U A	7824	COMPOSITE	1/2	12.0 TBG (IN)		U A
3155	COMP+CAN	3/8	10.0 TPG (d)		U A	7864	COMPOSITE	*	15.0 TTG (4)(IN)		U A
3149	COMP+CAN	1/2	12.0 TTG		U A	8353	COMPOSITE	(H)	16+ LTG (ip)(T)	(.035)	U A
5904	COMP+CAN	5/8	16.0 TTG		U A	7865	COMPOSITE	3/4	19.0 TTG (IN)		U A
Oldcastle BuildingEnvelope® ; Wright City, MO:						PAN- DUR Glass GmbH ; Ilmenau, Thuringen:					
3137	COMP+CAN	1/8	3.0 TTG		U A	6738	COMPOSITE	5/32	4.0 TTG		U A
3138	COMP+CAN	5/32	4.0 TTG		U A	6739	COMPOSITE	1/4	6.0 TTG		U A
3139	COMP+CAN	3/16	5.0 TTG		U A						
3140	COMP+CAN	1/4	6.0 TTG		U A						
4526	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A						
4528	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
Panoramic Doors LLC ; Fort Worth, TX:						Pirnar-Staklo d.o.o. ; Bosanski, Bosnia:					
8198	COMP+CAN	5/32	4.0 TTG		U A	7704	COMP+CAN	1/4	6.0 TTG		U A
Paragon Tempered Glass ; Antwerp, OH:						Portland Glass Manufacturing ; Clackamas, OR:					
2684	COMPOSITE	1/8	3.0 TTG		U A	6372	COMPOSITE	1/4	6.0 TTG (IN)		U A
2685	COMPOSITE	5/32	4.0 TTG		U A	6373	COMPOSITE	3/8	10.0 TTG (IN)		U A
2686	COMPOSITE	3/16	5.0 TTG		U A	6510	COMPOSITE	1/2	12.0 TTG (IN)		U A
5242	COMPOSITE	3/16	5.0 TBG		U A	Precision Glass Bending Corporation ; Greenwood, AR:					
2687	COMPOSITE	1/4	6.0 TTG		U A	7149	COMP+CAN	1/4	6.0 TBG		U A
4811	COMPOSITE	1/4	6.0 TBG		U A	7154	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
2688	COMPOSITE	3/8	10.0 TTG		U A	7422	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A
Patio Enclosures ; Macedonia, OH:						7155	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
7843	COMPOSITE	1/8	3.0 TTG		U A	7423	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A
8222	COMPOSITE	5/32	4.0 TTG		U A	7150	COMP+CAN	3/8	10.0 TBG		U A
Patriot Armored Systems, LLC ; Lee, MA:						7151	COMP+CAN	1/2	12.0 TBG		U A
6688	COMPOSITE	1/8	3.0 TTG		U A	7152	COMP+CAN	5/8	16.0 TBG		U A
6689	COMPOSITE	3/16	5.0 TTG		U A	7153	COMP+CAN	3/4	19.0 TBG		U A
6690	COMPOSITE	1/4	6.0 TTG		U A	Precision Glass Industries ; Houston, TX:					
6691	COMPOSITE	3/8	10.0 TTG		U A	6886	COMPOSITE	3/16	5.0 TTG		U A
Perficom S.A. DE C.V. ; San Juan Del Rio, Queretaro, Mexico:						6887	COMPOSITE	1/4	6.0 TTG		U A
4512	COMPOSITE	1/8	3.0 TTG		U A	6888	COMPOSITE	3/8	10.0 TTG		U A
PFG Glass ; Langley, BC:						7605	COMPOSITE	3/8	10.0 TPG (s)		U A
3538	COMP+CAN	1/8	3.0 TTG		U A	6889	COMPOSITE	1/2	12.0 TTG		U A
3547	COMP+CAN	1/8	3.0 TPG (s)		U A	Prelco Inc. ; Riviere-du-loup, QC:					
3539	COMP+CAN	5/32	4.0 TTG		U A	2034	COMP+CAN	1/8	3.0 TTG		U A
3548	COMP+CAN	5/32	4.0 TPG (d)		U A	2035	COMP+CAN	5/32	4.0 TTG		U A
3540	COMP+CAN	3/16	5.0 TTG		U A	2713	COMP+CAN	3/16	5.0 TTG		U A
3549	COMP+CAN	3/16	5.0 TPG (s)		U A	7800	COMP+CAN	1/4	6.0 TTG		U A
3711	COMP+CAN	1/4	6.0 TPG (s)		U A	4905	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
3542	COMP+CAN	5/16	8.0 TTG		U A	2751	COMP+CAN	5/16	8.0 TTG		U A
3543	COMP+CAN	3/8	10.0 TTG		U A	4906	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
3544	COMP+CAN	1/2	12.0 TTG		U A	2381	COMP+CAN	3/8	10.0 TTG		U A
PGT Industries ; North Venice, FL:						8274	COMP+CAN	(H)	10 LTG (ip)(A)	(.060)	U A
2389	COMPOSITE	1/8	3.0 TTG		U A	2048	COMP+CAN	1/2	12.0 TTG		U A
3880	COMPOSITE	1/8	3.0 TPG (s)		U A	5609	COMP+CAN	5/8	16.0 TTG		U A
2390	COMPOSITE	3/16	5.0 TTG		U A	4904	COMP+CAN	3/4	19.0 TTG		U A
3881	COMPOSITE	3/16	5.0 TPG (s)		U A	Prelco Inc. ; Saint-Jacques, NB:					
2391	COMPOSITE	1/4	6.0 TTG		U A	4911	COMP+CAN	1/8	3.0 TTG		U A
7451	COMPOSITE	(S)	6 LTG (ip)(A)	(.035)	U A	4912	COMP+CAN	5/32	4.0 TTG		U A
8346	COMPOSITE	(S)	6 LTG (b)(A)	(.045)	U A	4913	COMP+CAN	3/16	5.0 TTG		U A
7452	COMPOSITE	(H)	8-12 LTG (ip)(A)	(.035)	U A	4914	COMP+CAN	1/4	6.0 TTG		U A
2426	COMPOSITE	(H)	8-12 LTG (b)(A)	(.060)	U A	4915	COMP+CAN	5/16	8.0 TTG		U A
Philly Glass Industry Inc. ; Philadelphia, PA:						4916	COMP+CAN	3/8	10.0 TTG		U A
7652	COMP+CAN	3/16	5.0 TTG		U A	4917	COMP+CAN	1/2	12.0 TTG		U A
7653	COMP+CAN	1/4	6.0 TTG		U A	5610	COMP+CAN	5/8	16.0 TTG		U A
7654	COMP+CAN	3/8	10.0 TTG		U A	5611	COMP+CAN	3/4	19.0 TTG		U A
7655	COMP+CAN	1/2	12.0 TTG		U A	Prelco MTL Inc. ; Montreal, QC:					
7656	COMP+CAN	5/8	16.0 TTG (IN)		U A	7481	COMP+CAN	5/32	4.0 TTG		U A
7657	COMP+CAN	3/4	19.0 TTG (IN)		U A	7482	COMP+CAN	3/16	5.0 TTG		U A
Pietta Glass Working Srl ; Valenii De Munte, Romania:						7483	COMP+CAN	1/4	6.0 TTG		U A
7190	COMP+CAN	5/32	4.0 TTG		U A	7484	COMP+CAN	5/16	8.0 TTG		U A
7191	COMP+CAN	3/16	5.0 TTG		U A	7485	COMP+CAN	3/8	10.0 TTG		U A
7384	COMP+CAN	1/4	6.0 TTG		U A	Premier Glass Products ; Atlanta, GA:					
7385	COMP+CAN	5/16	8.0 TTG		U A	6792	COMP+CAN	1/4	6.0 TTG		U A
7389	COMP+CAN	(H)	8,12-16+ LTG (b)(A)	(.030)	U A	7059	COMP+CAN	1/4	6.0 TBG	34x56	A
7386	COMP+CAN	3/8	10.0 TTG		U A	6793	COMP+CAN	3/8	10.0 TTG		U A
7387	COMP+CAN	1/2	12.0 TTG		U A	7060	COMP+CAN	3/8	10.0 TBG	34x56	A
8064	COMP+CAN	(H)	12 LTG (ip)(A)	(.060)	U A	6794	COMP+CAN	1/2	12.0 TTG		U A
7388	COMP+CAN	(H)	16+ LTG (ip)(A)	(.035)	U A	7061	COMP+CAN	1/2	12.0 TBG	34x56	A
Pingdingshan Youbo Glass Technology Co., Ltd. ; Pingdingshan, Henan:						Press Glass Inc. ; Ridgeway, VA:					
8100	COMPOSITE	3/16	5.0 TTG		U A	7810	COMP+CAN	3/16	5.0 TTG		U A
8101	COMPOSITE	(H)	10 LTG (ip)(A)	(.035)	U A	7811	COMP+CAN	1/4	6.0 TTG		U A
						7812	COMP+CAN	5/16	8.0 TTG		U A
						7819	COMP+CAN	(H)	8, 16+ LTG (b)(A)	(.030)	U A
						7820	COMP+CAN	(H)	8, 16+ LTG (ip)(A)	(.035)	U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
7813	COMP+CAN	3/8	10.0 TTG		U A	5505	COMP+CAN	3/16	5.0 TPG (s)		U A
7814	COMP+CAN	1/2	12.0 TTG		U A	5501	COMP+CAN	1/4	6.0 TTG		U A
7815	COMP+CAN	5/8	16.0 TTG		U A	7844	COMP+CAN	5/16	8.0 TTG		U A
7816	COMP+CAN	3/4	19.0 TTG		U A	5502	COMP+CAN	3/8	10.0 TTG		U A
PRESS GLASS SA ; Radomsko, Poland:						5503	COMP+CAN	1/2	12.0 TTG		U A
5845	COMP+CAN	5/32	4.0 TTG		U A	7973	COMP+CAN	(H)	12-16+ LTG (ev)(A)	(.030)	U A
6963	COMP+CAN	3/16	5.0 TTG		U A	ProTemp Glass, Inc. ; Concord, ON:					
5846	COMP+CAN	1/4	6.0 TTG		U A	7410	COMP+CAN	5/32	4.0 TTG		U A
5847	COMP+CAN	5/16	8.0 TTG		U A	7411	COMP+CAN	3/16	5.0 TTG		U A
5851	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	7382	COMP+CAN	1/4	6.0 TTG		U A
5848	COMP+CAN	3/8	10.0 TTG		U A	7312	COMP+CAN	5/16	8.0 TTG		U A
5849	COMP+CAN	1/2	12.0 TTG		U A	7313	COMP+CAN	3/8	10.0 TTG		U A
7479	COMP+CAN	(H)	12,16+ LTG (ip)(A)	(.035)	U A	7907	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.060)	U A
5850	COMP+CAN	*	15.0 TTG (4)		U A	7314	COMP+CAN	1/2	12.0 TTG		U A
PRESS GLASS SA ; Tychy, Poland:						7315	COMP+CAN	5/8	16.0 TTG		U A
5852	COMP+CAN	5/32	4.0 TTG		U A	7316	COMP+CAN	3/4	19.0 TTG		U A
6404	COMP+CAN	3/16	5.0 TTG		U A	Przedsiębiorstwo TMF s.c. Florczak Tadeusz, Florczak Michal ; Koscielc, Poland:					
7509	COMP+CAN	3/16	5.0 TBG		U A	8162	COMP+CAN	(H)	10 LTG (b)(A)	(.030)	U A
5853	COMP+CAN	1/4	6.0 TTG		U A	PT Abebersa Pratama ; Bekasi, Indonesia:					
7510	COMP+CAN	1/4	6.0 TBG		U A	3905	COMPOSITE	5/32	4.0 TTG		U A
5854	COMP+CAN	5/16	8.0 TTG		U A	8000	COMPOSITE	5/32	4.0 TPG (s)		U A
7511	COMP+CAN	5/16	8.0 TBG		U A	3906	COMPOSITE	3/16	5.0 TTG		U A
5858	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	Pulp Studio, Inc. ; Gardena, CA:					
5855	COMP+CAN	3/8	10.0 TTG		U A	7860	COMP+CAN	3/16	5.0 TTG		U A
7512	COMP+CAN	3/8	10.0 TBG		U A	6416	COMP+CAN	1/4	6.0 TTG		U A
5856	COMP+CAN	1/2	12.0 TTG		U A	4711	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
7638	COMP+CAN	(H)	12-16+ LTG (ip)(A)	(.035)	U A	7807	COMP+CAN	3/8	10.0 TTG		U A
7513	COMP+CAN	*	12.0 TBG (2)		U A	7808	COMP+CAN	1/2	12.0 TTG		U A
5857	COMP+CAN	*	15.0 TTG (4)		U A	Qianse Acrylic Co., LTD. ; Dongguan City, Guangdong Province, China:					
7514	COMP+CAN	*	15.0 TBG (2)		U A	7247	ANSI ONLY	1/8	3.0 SPS		U A
Press Glass, Inc. ; Stoneville, NC:						Qingdao Apis Glass Industries Co. Ltd. ; Shandong, China:					
2728	COMP+CAN	1/8	3.0 TTG		U A	8349	COMP+CAN	1/4	6.0 TTG		U A
2730	COMP+CAN	3/16	5.0 TTG		U A	8350	COMP+CAN	3/8	10.0 TTG		U A
2732	COMP+CAN	1/4	6.0 TTG		U A	8351	COMP+CAN	*	12.0 TTG (3)		U A
4375	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	Qingdao Ideal Building Material Co. Ltd. ; Qingdao, Shandong:					
4413	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A	6776	COMP+CAN	1/8	3.0 TTG		U A
5259	COMP+CAN	5/16	8.0 TTG		U A	6777	COMP+CAN	5/32	4.0 TTG		U A
4376	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	Qingdao Kingdom Glass Co., Ltd. ; Qingdao, Shandong Province:					
4414	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A	8410	COMP+CAN	1/4	6.0 TTG		U A
2729	COMP+CAN	3/8	10.0 TTG		U A	7681	COMP+CAN	*	12.0 TTG (4)		U A
2733	COMP+CAN	1/2	12.0 TTG		U A	Qingdao Laurel Glass Technology Co., Ltd ; Qingdao City, China:					
2731	COMP+CAN	5/8	16.0 TTG		U A	7125	COMP+CAN	1/8	3.0 TTG		U A
2734	COMP+CAN	3/4	19.0 TTG		U A	7110	COMP+CAN	5/32	4.0 TTG		U A
PRL Glass Systems ; City of Industry, CA:						8021	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
6508	COMPOSITE	1/4	6.0 TTG		U A	8063	COMP+CAN	1/4	6.0 TTG		U A
7971	COMP+CAN	(H)	12 LTG (ev)(A)(IN)	(.030)	U A	8019	COMP+CAN	5/16	8.0 TTG		U A
Procesadora De Jalisco S.A. DE C.V. - Queretaro ; San Juan del Rio, Queretaro:						7126	COMP+CAN	3/8	10.0 TTG		U A
6716	COMPOSITE	1/8	3.0 TTG		U A	8020	COMP+CAN	1/2	12.0 TTG		U A
6717	COMPOSITE	1/4	6.0 TTG		U A	Qingdao Pioneer Glass Co.,Ltd. ; Qingdao, Shandong:					
Procesadora de Jalisco, S.A. DE C.V. ; Zapopan, Mexico:						8216	COMP+CAN	3/8	10.0 TTG		U A
6718	COMPOSITE	1/4	6.0 TTG		U A	Qingdao Sun Teck Glass Co., Ltd. ; Qingdao, Shandong:					
6719	COMPOSITE	3/8	10.0 TTG		U A	8298	COMP+CAN	1/8	3.0 TTG		U A
6720	COMPOSITE	1/2	12.0 TTG		U A	Qinhuangdao Ampac Building Products Co., Ltd. ; Qinhuangdao Hebei, China:					
6721	COMPOSITE	(H)	12 LTG (ip)(T)	(.060)	U A	5899	COMPOSITE	1/8	3.0 TTG		U A
6722	COMPOSITE	(H)	12 LTG (b)(T)	(.060)	U A	5900	COMPOSITE	5/32	4.0 TTG		U A
Productora y Distribuidora de Espejos S.A. de C.V. ; Pesqueria, Nuevo Leon:						5902	COMPOSITE	5/32	4.0 TPG (s)		U A
6517	COMPOSITE	1/4	6.0 TTG		U A	5901	COMPOSITE	3/16	5.0 TTG		U A
6518	COMPOSITE	3/8	10.0 TTG		U A	5903	COMPOSITE	3/16	5.0 TPG (d)		U A
Produits Verrier International Inc. ; Montreal, Quebec:						8412	COMPOSITE	(H)	8 LTG (b)(A)	(.030)	U A
5498	COMP+CAN	1/8	3.0 TTG		U A						
5504	COMP+CAN	1/8	3.0 TPG (s)		U A						
5499	COMP+CAN	5/32	4.0 TTG		U A						
5500	COMP+CAN	3/16	5.0 TTG		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
Qinhuangdao Huaguang Technology Glass Co., Ltd. ; Qinhuangdao, China:						Renin Canada Corp. ; Brampton, ON:					
8352	COMPOSITE	1/8	3.0 TTG		U A	8318	COMP+CAN	1/4	6.0 TTG		U A
Qinhuangdao Jingxin Glass Co., Ltd. ; Qinhuangdao City, Hebei Province:						Rider Glass Company Limited ; Qingdao, Shandong:					
5280	COMPOSITE	1/8	3.0 TTG		U A	8464	COMP+CAN	3/16	5.0 TTG		U A
Qinhuangdao Qicaishi Glass Processing Co., Ltd. ; Qinhuangdao, Hebei, China:						Rizhao Huaye Glass Co., Ltd. ; Rizhao, Shandong:					
5141	COMPOSITE	1/8	3.0 TTG		U A	5566	COMP+CAN	5/32	4.0 TTG		U A
Qinhuangdao Rongsheng Glass Processing Co., Ltd. ; Qinhuangdao, Hebei, China:						Rohden Vidros LTDA (Unidade 2) ; Pouso Redondo, Brazil:					
7259	COMPOSITE (S)		6 LTG (b)(A)	(.030)	U A	8103	COMP+CAN	5/32	4.0 TTG		U A
QinHuangDao Tianrui Tempered Technology Glass Co. ; Qinhuangdao, Hebei, China:						S.F. Tempering ; Dania Beach, FL:					
3690	COMPOSITE	1/8	3.0 TTG		U A	5452	COMPOSITE	3/16	5.0 TTG		U A
Quaker Window Products, Inc. ; Freeburg, MO:						SAAND Inc. ; Toronto, ON:					
2968	COMP+CAN	1/8	3.0 TPG (m)		U A	2481	COMP+CAN	1/8	3.0 TTG		U A
2985	COMP+CAN	1/8	3.0 TTG		U A	2482	COMP+CAN	5/32	4.0 TTG		U A
2969	COMP+CAN	5/32	4.0 TPG (m)(IN)		U A	3023	COMP+CAN	3/16	5.0 TTG		U A
5297	COMP+CAN	5/32	4.0 TTG		U A	2484	COMP+CAN	1/4	6.0 TTG		U A
2986	COMP+CAN	3/16	5.0 TTG		U A	4356	COMP+CAN	5/16	8.0 TTG		U A
3486	COMP+CAN	3/16	5.0 TPG (m)		U A	4357	COMP+CAN	3/8	10.0 TTG		U A
2970	COMP+CAN	1/4	6.0 TPG (m)(IN)		U A	4358	COMP+CAN	1/2	12.0 TTG		U A
3485	COMP+CAN	1/4	6.0 TTG		U A	SAAND London ; London, ON:					
7935	COMP+CAN	5/16	8.0 TTG		U A	3978	COMP+CAN	1/8	3.0 TTG		U A
Quality Enclosures ; Central Islip, NY:						SAAND Ottawa ; Stittsville, ON:					
6440	COMP+CAN	3/16	5.0 TTG		U A	4949	COMP+CAN	1/8	3.0 TTG		U A
6444	COMP+CAN	3/16	5.0 TPG (s)		U A	4950	COMP+CAN	5/32	4.0 TTG		U A
6441	COMP+CAN	1/4	6.0 TTG		U A	4951	COMP+CAN	3/16	5.0 TTG		U A
6445	COMP+CAN	1/4	6.0 TPG (m)		U A	4952	COMP+CAN	1/4	6.0 TTG		U A
6442	COMP+CAN	3/8	10.0 TTG		U A	4953	COMP+CAN	3/8	10.0 TTG		U A
6446	COMP+CAN	3/8	10.0 TPG (m)		U A	4954	COMP+CAN	1/2	12.0 TTG		U A
6443	COMP+CAN	1/2	12.0 TTG		U A	SAAND Rexdale ; Rexdale, ON:					
Quality Enclosures Tempering, Inc. ; Port Orange, FL:						Quest USA, Inc. ; Garland, TX:					
6243	COMPOSITE	3/16	5.0 TTG		U A	7659	COMP+CAN	1/4	6.0 TTG		U A
6247	COMPOSITE	3/16	5.0 TPG (m)		U A	Quest Window Systems ; Mississauga, ON:					
6244	COMPOSITE	1/4	6.0 TTG		U A	5719	COMP+CAN	1/4	6.0 TTG		U A
6248	COMPOSITE	1/4	6.0 TPG (s)		U A	Ready Glass & Mirror, Inc. ; Hialeah, FL:					
6245	COMPOSITE	3/8	10.0 TTG		U A	3745	COMPOSITE	3/16	5.0 TTG		U A
6249	COMPOSITE	3/8	10.0 TPG (s)		U A	3746	COMPOSITE	1/4	6.0 TTG		U A
6246	COMPOSITE	1/2	12.0 TTG		U A	5634	COMPOSITE (H)	8-16+ LTG (ip)(A)	(.035)	U A	
Quality Glass & Mirror, Inc. ; Mount Prospect, IL:						Reem Emirates Aluminum & Glass ; Abu Dhabi, United Arab Emirates:					
2981	COMPOSITE	3/16	5.0 TTG		U A	4675	COMPOSITE	1/4	6.0 TTG		U A
2982	COMPOSITE	1/4	6.0 TTG		U A	4676	COMPOSITE	5/16	8.0 TTG		U A
2983	COMPOSITE	3/8	10.0 TTG		U A	4677	COMPOSITE	3/8	10.0 TTG		U A
2984	COMPOSITE	1/2	12.0 TTG		U A	6971	COMPOSITE (H)	16 LTG (b)(A)	(.060)	U A	
3805	COMPOSITE	3/4	19.0 TTG		U A						

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
4998	COMP+CAN	1/4	6.0 TTG		U A	Shandong Yaohua Glass Co., Ltd. ; Jinan City, Shandong, China:					
5001	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	7335	COMP+CAN	3/16	5.0 TTG		U A
5002	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	7336	COMP+CAN	1/4	6.0 TTG		U A
4999	COMP+CAN	3/8	10.0 TTG		U A	7967	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
5000	COMP+CAN	1/2	12.0 TTG		U A	7337	COMP+CAN	3/8	10.0 TTG		U A
SAGE Electrochromics Inc. ; Faribault, MN:						7338	COMP+CAN	1/2	12.0 TTG		U A
7003	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A	8212	COMP+CAN	(H)	16+ LTG (ip)(T)	(.035)	U A
5016	COMP+CAN	(H)	8-12 LTG (ip)(A)	(.035)	U A	Shanghai Borden Decoration Materials Co., Ltd. ; Shanghai:					
Saint Gobain Mexico, S.A. de C.V. ; Cuautla, Morelos, Mexico:						7727	COMPOSITE	5/32	4.0 TTG		U A
8152	COMP+CAN	(S)	6 LTG (b)(A)	(.015)	U A	7728	COMPOSITE	3/16	5.0 TTG		U A
8153	COMP+CAN	(H)	8 LTG (b)(A)	(.015)	U A	7729	COMPOSITE	1/4	6.0 TTG		U A
8154	COMP+CAN	(H)	8,12 LTG (b)(A)	(.030)	U A	7730	COMPOSITE	5/16	8.0 TTG		U A
8155	COMP+CAN	(H)	10 LTG (b)(A)	(.090)	U A	7731	COMPOSITE	3/8	10.0 TTG		U A
Saudi German Aluminum Products Co. ; Sinayah, Jeddah:						Shanghai SYP Engineering Glass ; Shanghai, China:					
8093	COMP+CAN	1/4	6.0 TTG		U A	4067	COMP+CAN	5/32	4.0 TTG		U A
8094	COMP+CAN	5/16	8.0 TTG		U A	4068	COMP+CAN	3/16	5.0 TTG		U A
8095	COMP+CAN	3/8	10.0 TTG		U A	4069	COMP+CAN	1/4	6.0 TTG		U A
8096	COMP+CAN	1/2	12.0 TTG		U A	4070	COMP+CAN	5/16	8.0 TTG		U A
8097	COMP+CAN	(H)	12, 16+ LTG (b)(A)	(.030)	U A	6988	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
SCHOTT Gemtron - Sweetwater ; Sweetwater, TN:						4071	COMP+CAN	3/8	10.0 TTG		U A
1334	COMP+CAN	1/8	3.0 TTG		U A	4072	COMP+CAN	1/2	12.0 TTG		U A
1422	COMP+CAN	1/8	3.0 TPG (s)		U A	4073	COMP+CAN	*	15.0 TTG (4)		U A
1332	COMP+CAN	5/32	4.0 TTG		U A	Shanghai Zhenzhen Glassware Co., LTD. ; Shanghai, China:					
1424	COMP+CAN	5/32	4.0 TPG (s)		U A	6125	COMP+CAN	1/4	6.0 TTG		U A
1201	COMP+CAN	3/16	5.0 TTG		U A	6126	COMP+CAN	3/8	10.0 TTG		U A
1477	COMP+CAN	1/4	6.0 TTG		U A	Shape Glass LLC. ; Sarasota, FL:					
SCHOTT Gemtron (Canada) Corporation ; Midland, ON Canada:						6502	COMPOSITE	1/8	3.0 TTG		U A
3067	COMP+CAN	1/8	3.0 TTG		U A	6503	COMPOSITE	3/16	5.0 TTG		U A
3659	COMP+CAN	5/32	4.0 TTG		U A	6507	COMPOSITE	3/16	5.0 TPG (s)		U A
3636	COMP+CAN	3/16	5.0 TTG		U A	6504	COMPOSITE	1/4	6.0 TTG		U A
3637	COMP+CAN	1/4	6.0 TTG		U A	6505	COMPOSITE	3/8	10.0 TTG		U A
6020	COMP+CAN	5/16	8.0 TTG		U A	6947	COMPOSITE	3/8	10.0 TPG (s)		U A
6021	COMP+CAN	3/8	10.0 TTG		U A	6506	COMPOSITE	1/2	12.0 TTG		U A
Selective Shower Glass Designs Inc. ; Medley, FL:						Shenzhen Shennanyi Glass Product Co., Ltd ; Shenzhen, Guangdong, China:					
8314	COMP+CAN	(H)	10-12 LTG (ip)(A)	(.030)	U A	8425	COMP+CAN	(H)	16+ LTG (b)(A)	(.060)	U A
8337	COMP+CAN	(H)	16+ LTG (ip)(A)	(.060)	U A	Shenzhen Sun Global Glass Co., Limited ; Shenzhen, Guangdong:					
Senneca Holdings Inc, (Thermoseal Brand) ; Irving, TX:						6970	COMP+CAN	(H)	8-10 LTG (b)(A)	(.060)	U A
7640	COMPOSITE	1/8	3.0 TTG		U A	Shower Doors & More Inc. ; Fort Lauderdale, FL:					
7641	COMPOSITE	3/16	5.0 TTG		U A	5756	COMPOSITE	3/16	5.0 TTG		U A
7642	COMPOSITE	1/4	6.0 TTG		U A	5757	COMPOSITE	1/4	6.0 TTG		U A
Sfera SRL ; Meolo (VE), Italy:						5758	COMPOSITE	3/8	10.0 TTG		U A
8087	COMP+CAN	5/32	4.0 TBG		U A	5759	COMPOSITE	1/2	12.0 TTG		U A
6079	COMP+CAN	1/4	6.0 TBG		U A	Sichuan CSG Energy Conservation Glass Co., Ltd. ; Chengdu, Sichuan:					
8086	COMP+CAN	5/16	8.0 TBG		U A	7050	COMPOSITE	3/16	5.0 TTG		U A
Shandong Jinjing Science & Technology Stock Co., Ltd. ; Zibo, Shandong:						7051	COMPOSITE	1/4	6.0 TTG		U A
8256	COMPOSITE	5/32	4.0 TTG		U A	7052	COMPOSITE	5/16	8.0 TTG		U A
8257	COMPOSITE	1/4	6.0 TTG		U A	7053	COMPOSITE	3/8	10.0 TTG		U A
8258	COMPOSITE	5/16	8.0 TTG		U A	7056	COMPOSITE	(H)	10-16+ LTG (b)(A)	(.030)	U A
8259	COMPOSITE	3/8	10.0 TTG		U A	7054	COMPOSITE	1/2	12.0 TTG		U A
8250	COMPOSITE	(H)	12,16 LTG (b)(T)	(.030)	U A	7055	COMPOSITE	*	15.0 TTG (4)		U A
8251	COMPOSITE	(H)	16+ LTG (ip)(T)	(.035)	U A	Sierra Glass Fabrication Inc. ; Sparks, NV:					
Shandong Kingtom Glass Co., Ltd. ; Qingdao, Shandong China:						7670	COMPOSITE	1/8	3.0 TTG		U A
7916	COMP+CAN	3/16	5.0 TPG (s)		U A	6186	COMPOSITE	3/16	5.0 TTG		U A
8311	COMP+CAN	3/16	5.0 TTG		U A	SIGCO, Inc. ; Westbrook, ME:					
7917	COMP+CAN	1/4	6.0 TTG		U A	2961	COMPOSITE	1/8	3.0 TTG		U A
8312	COMP+CAN	1/4	6.0 TPG (s)		U A	2962	COMPOSITE	5/32	4.0 TTG		U A
7918	COMP+CAN	5/16	8.0 TTG		U A	2963	COMPOSITE	3/16	5.0 TTG		U A
7919	COMP+CAN	3/8	10.0 TTG		U A	3028	COMPOSITE	3/16	5.0 TPG (m)		U A
Shandong Paneu Glass., LTD. ; Zibo, Shandong:						2964	COMPOSITE	1/4	6.0 TTG		U A
8355	COMP+CAN	1/4	6.0 TTG		U A	6012	COMP+CAN	(S)	6.1 LTG (b)(A)	(.030)	U A
8356	COMP+CAN	5/16	8.0 TTG		U A	5213	COMPOSITE	5/16	8.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
6013	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	7759	COMPOSITE	3/16	5.0 TPG (m)		U A
6014	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.060)	U A	7755	COMPOSITE	1/4	6.0 TPG		U A
2965	COMPOSITE	3/8	10.0 TPG		U A	7756	COMPOSITE	3/8	10.0 TPG		U A
4206	COMPOSITE	3/8	10.0 TPG (s)		U A	7761	COMPOSITE	3/8	10.0 TPG (s)		U A
2966	COMPOSITE	1/2	12.0 TPG		U A	7757	COMPOSITE	1/2	12.0 TPG		U A
Simonton Windows ; Ellenboro, WV:						Standard Bent Glass ; East Butler, PA:					
2887	COMPOSITE	1/8	3.0 TPG		U A	6301	COMP+CAN	1/4	6.0 TPG		U A
5296	COMPOSITE	1/8	3.0 TPG (s)		U A	7537	COMP+CAN	(S)	6 LTG (ip)(A)	(.035)	U A
2888	COMPOSITE	3/16	5.0 TPG		U A	6305	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
8411	COMPOSITE	3/16	5.0 TPG (s)		U A	6302	COMP+CAN	5/16	8.0 TPG		U A
Simonton Windows ; Paris, IL:						7675 COMP+CAN 5/16 8.0 TPG U A					
4979	COMPOSITE	1/8	3.0 TPG		U A	6303	COMP+CAN	3/8	10.0 TPG		U A
7251	COMPOSITE	1/8	3.0 TPG (m)		U A	7538	COMP+CAN	(H)	10-16+ LTG (ip)(A)	(.035)	U A
4978	COMPOSITE	3/16	5.0 TPG		U A	7676	COMP+CAN	3/8	10.0 TPG		U A
Singh Glass & Mirror Inc. dba Luso Glass Company ; Newark, NJ:						6306 COMP+CAN (H) 10-16+ LTG (b)(A) (.030) U A					
8070	COMPOSITE	3/16	5.0 TPG		U A	6304	COMP+CAN	1/2	12.0 TPG		U A
8071	COMPOSITE	1/4	6.0 TPG		U A	7677	COMP+CAN	1/2	12.0 TPG		U A
8072	COMPOSITE	3/8	10.0 TPG		U A	Stargrup Cam A.S. ; Arnavutkoy, Istanbul:					
8073	COMPOSITE	1/2	12.0 TPG		U A	8219	COMPOSITE	5/32	4.0 TPG		U A
8074	COMPOSITE	5/8	16.0 TPG		U A	8220	COMPOSITE	3/16	5.0 TPG		U A
8075	COMPOSITE	3/4	19.0 TPG		U A	6204	COMPOSITE	1/4	6.0 TPG		U A
Sisecam Flat Glass Italy S.r.l. ; S. Giorgio Di Nogaro, Udine, Italy:						6207 COMPOSITE (H) 8-16+ LTG (b)(A) (.015) U A					
8132	COMP+CAN	(S)	6 LTG (b)(A)	(.015)	U A	7579	COMPOSITE	5/16	8.0 TPG		U A
8133	COMP+CAN	(H)	8-12 LTG (b)(A)	(.015)	U A	8221	COMPOSITE	(H)	8-16+ LTG (ip)(A)	(.035)	U A
Sky Land Tempering Glass Corp ; Long Island City, NY:						6205 COMPOSITE 3/8 10.0 TPG U A					
5467	COMPOSITE	3/16	5.0 TPG		U A	6206	COMPOSITE	1/2	12.0 TPG		U A
5468	COMPOSITE	1/4	6.0 TPG		U A	Strong Tempering Glass Industry LLC ; Brooklyn, NY:					
5469	COMPOSITE	3/8	10.0 TPG		U A	5939	COMPOSITE	3/16	5.0 TPG		U A
5470	COMPOSITE	1/2	12.0 TPG		U A	5940	COMPOSITE	1/4	6.0 TPG		U A
Skyline Design ; Chicago, IL:						5942 COMPOSITE 3/8 10.0 TPG U A					
6340	COMP+CAN	1/4	6.0 TPG		U A	5941	COMPOSITE	1/2	12.0 TPG		U A
6347	COMP+CAN	1/4	6.0 TPG (s)		U A	Sunfire Glass, Inc. ; Medley, FL:					
6343	COMP+CAN	1/2	12.0 TPG		U A	7036	COMPOSITE	3/16	5.0 TPG		U A
6350	COMP+CAN	1/2	12.0 TPG (s)		U A	7038	COMPOSITE	3/16	5.0 TPG (s)		U A
Solar Seal LLC ; South Easton, MA:						7033 COMPOSITE 1/4 6.0 TPG U A					
3001	COMPOSITE	1/8	3.0 TPG		U A	7037	COMPOSITE	3/8	10.0 TPG		U A
1871	COMPOSITE	3/16	5.0 TPG		U A	7405	COMPOSITE	1/2	12.0 TPG		U A
1939	COMPOSITE	3/16	5.0 TPG (s)		U A	Sunglas Technics Co., Ltd. ; Foshan, Guangdong, China:					
1035	COMPOSITE	1/4	6.0 TPG		U A	8090	COMPOSITE	1/4	6.0 TPG		U A
1036	COMPOSITE	3/8	10.0 TPG		U A	Swift Glass Co., Inc. ; Elmira Heights, NY:					
1037	COMPOSITE	1/2	12.0 TPG		U A	1555	COMPOSITE	1/8	3.0 TPG		U A
5527	COMPOSITE	3/4	19.0 TPG		U A	1556	COMPOSITE	3/16	5.0 TPG		U A
Soluciones de Vitro Plano S.A. de C.V. ; Tlalnepantla, Mexico:						1557 COMPOSITE 1/4 6.0 TPG U A					
4639	COMPOSITE	3/16	5.0 TPG		U A	1558	COMPOSITE	3/8	10.0 TPG		U A
4645	COMPOSITE	1/4	6.0 TPG		U A	1559	COMPOSITE	1/2	12.0 TPG		U A
4788	COMPOSITE	5/16	8.0 TPG		U A	Syracuse Glass Company, LLC ; Syracuse, NY:					
4640	COMPOSITE	3/8	10.0 TPG		U A	2654	COMP+CAN	1/8	3.0 TPG		U A
4641	COMPOSITE	1/2	12.0 TPG		U A	2957	COMP+CAN	3/16	5.0 TPG		U A
4642	COMPOSITE	3/4	19.0 TPG		U A	2656	COMP+CAN	1/4	6.0 TPG		U A
South Bay Showers, Inc. ; Santa Clara, CA:						6391 COMP+CAN (S) 6 LTG (b)(A) (.030) U A					
7252	COMPOSITE	1/4	6.0 TPG		U A	6392	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
7253	COMPOSITE	5/16	8.0 TPG (IN)		U A	6393	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.060)	U A
6927	COMPOSITE	3/8	10.0 TPG		U A	2958	COMP+CAN	3/8	10.0 TPG		U A
7254	COMPOSITE	3/8	10.0 TPG (s)		U A	2657	COMP+CAN	1/2	12.0 TPG		U A
6928	COMPOSITE	1/2	12.0 TPG		U A	Tacoma Glass Mfg. Inc. ; Burlington, WA:					
Southern Wholesale Glass, Inc. ; Americus, GA:						5165 COMPOSITE 1/4 6.0 TPG U A					
7349	COMPOSITE	1/4	6.0 TPG		U A	5166	COMPOSITE	3/8	10.0 TPG		U A
7350	COMPOSITE	3/8	10.0 TPG		U A	5167	COMPOSITE	1/2	12.0 TPG		U A
Splendor Shower Door ; Holland, OH:						Tacoma Glass Mfg. Inc. ; Tacoma, WA:					
7753	COMPOSITE	5/32	4.0 TPG		U A	8186	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A
7758	COMPOSITE	5/32	4.0 TPG (s)		U A	8188	COMPOSITE	1/4	6.0 TPG		U A
7754	COMPOSITE	3/16	5.0 TPG		U A	8187	COMPOSITE	(H)	8 LTG (b)(A)	(.030)	U A
						8189	COMPOSITE	3/8	10.0 TPG		U A
						8190	COMPOSITE	1/2	12.0 TPG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
Tai Shan City Da Heng Art Glass Ltd. ; Tai Shan, Guangdong, China:						5012	COMPOSITE	3/8	10.0 TTG		U A
						5013	COMPOSITE	1/2	12.0 TTG		U A
3787	COMP+CAN	1/8	3.0 TTG		U A	Templados Del Centro SA DE C.V. ; Irapuato, Guanajuato, Mexico:					
Tai Sheng (Dong Guan) Glass Co.,Ltd ; Dongguan, Guangdong, China:						6170	COMP+CAN	(H)	10 LTG (b)(A)	(.060)	U A
6140	COMP+CAN	1/8	3.0 TTG		U A	6019	COMP+CAN	(H)	12 LTG (b)(A)	(.030)	U A
4870	COMP+CAN	5/32	4.0 TTG		U A	Templados Industriales S.A. de C.V. ; Chihuahua, Mexico:					
5487	COMP+CAN	3/16	5.0 TTG		U A	7880	COMPOSITE	1/4	6.0 TTG		U A
6053	COMP+CAN	3/16	5.0 TBG		U A	7881	COMPOSITE	3/8	10.0 TTG		U A
4872	COMP+CAN	1/4	6.0 TTG		U A	Tengzhou Fenghua Glass Co., LTD ; Tengzhou, China:					
6055	COMP+CAN	1/4	6.0 TBG		U A	6424	COMP+CAN	5/32	4.0 TPG (s)		U A
4873	COMP+CAN	5/16	8.0 TTG		U A	6418	COMP+CAN	3/16	5.0 TTG		U A
6142	COMP+CAN	5/16	8.0 TBG		U A	6425	COMP+CAN	3/16	5.0 TPG (s)		U A
5486	COMP+CAN	3/8	10.0 TTG		U A	6419	COMP+CAN	1/4	6.0 TTG		U A
5604	COMP+CAN	1/2	12.0 TTG		U A	6426	COMP+CAN	1/4	6.0 TPG (s)		U A
Technical Glass Company ; Jeddah, Western:						7936	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
7952	COMP+CAN	1/4	6.0 TTG		U A	6420	COMP+CAN	5/16	8.0 TTG		U A
7953	COMP+CAN	5/16	8.0 TTG		U A	6421	COMP+CAN	3/8	10.0 TTG		U A
7956	COMP+CAN	(H)	8,12-16+ LTG (b)(A)	(.030)	U A	6427	COMP+CAN	3/8	10.0 TPG (s)		U A
7954	COMP+CAN	3/8	10.0 TTG		U A	6422	COMP+CAN	1/2	12.0 TTG		U A
7955	COMP+CAN	*	12.0 TTG (7)		U A	TG Qingdao Glass Co., Ltd. ; Qingdao, Shandong Province:					
Techni-Glass, Inc. ; Surgoinville, TN:						8194	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
2547	COMP+CAN	1/8	3.0 TTG		U A	TG Taicang Architectural Glass Co. Ltd ; Taicang City, Jiangsu:					
3061	COMP+CAN	1/8	3.0 TPG (m)		U A	7446	COMP+CAN	3/16	5.0 TTG		U A
2548	COMP+CAN	5/32	4.0 TTG		U A	7447	COMP+CAN	1/4	6.0 TTG		U A
5050	COMP+CAN	5/32	4.0 TPG (m)		U A	7448	COMP+CAN	5/16	8.0 TTG		U A
2549	COMP+CAN	3/16	5.0 TTG		U A	7433	COMP+CAN	(H)	10-12 LTG (b)(A)	(.060)	U A
2550	COMP+CAN	3/16	5.0 TPG (m)		U A	7449	COMP+CAN	3/8	10.0 TTG		U A
2975	COMP+CAN	1/4	6.0 TTG		U A	7450	COMP+CAN	1/2	12.0 TTG		U A
3060	COMP+CAN	1/4	6.0 TPG (s)		U A	The Original Frameless Shower Door ; Coral Springs, FL:					
3062	COMP+CAN	3/8	10.0 TTG		U A	4662	COMPOSITE	3/8	10.0 TTG		U A
4509	COMP+CAN	1/2	12.0 TTG		U A	4663	COMPOSITE	1/2	12.0 TTG		U A
4510	COMP+CAN	5/8	16.0 TTG		U A	Thermafix A.J. Inc. ; Baie St. Paul, QC:					
Tecnoglass S.A.S. ; Barranquilla, Colombia:						8324	COMP+CAN	1/8	3.0 TPG (m)		U A
2133	COMP+CAN	1/8	3.0 TTG		U A	8326	COMP+CAN	1/8	3.0 TTG		U A
2287	COMP+CAN	5/32	4.0 TTG		U A	8327	COMP+CAN	5/32	4.0 TTG		U A
1993	COMP+CAN	3/16	5.0 TTG		U A	8325	COMP+CAN	3/16	5.0 TPG (s)		U A
1994	COMP+CAN	1/4	6.0 TTG		U A	8328	COMP+CAN	3/16	5.0 TTG		U A
2134	COMP+CAN	5/16	8.0 TTG		U A	8329	COMP+CAN	1/4	6.0 TTG		U A
4003	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	8330	COMP+CAN	3/8	10.0 TTG		U A
1995	COMP+CAN	3/8	10.0 TTG		U A	Thermal Seal Insulating Glass ; Uxbridge, MA:					
2135	COMP+CAN	1/2	12.0 TTG		U A	5730	COMPOSITE	1/8	3.0 TPG (s)		U A
2365	COMP+CAN	5/8	16.0 TTG		U A	5731	COMPOSITE	1/8	3.0 TTG		U A
2894	COMP+CAN	3/4	19.0 TTG		U A	5732	COMPOSITE	5/32	4.0 TTG		U A
Tecnovidrio S.A. de C.V. ; Colonia Granjas Mexico, Delegacion Iztacalco:						5733	COMPOSITE	3/16	5.0 TTG		U A
7272	COMP+CAN	1/4	6.0 TTG		U A	5734	COMPOSITE	1/4	6.0 TTG		U A
7256	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A	5735	COMPOSITE	3/8	10.0 TTG		U A
7273	COMP+CAN	3/8	10.0 TTG		U A	5736	COMPOSITE	1/2	12.0 TTG		U A
8156	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.015)	U A	Thermalsun Glass Products ; Santa Rosa, CA:					
7274	COMP+CAN	1/2	12.0 TTG		U A	6265	COMPOSITE	1/8	3.0 TTG		U A
7275	COMP+CAN	3/4	19.0 TTG		U A	6266	COMPOSITE	5/32	4.0 TTG		U A
TEMCOR S. DE RL DE CV ; H. Matamoros, Tamps Mexico:						6267	COMPOSITE	3/16	5.0 TTG		U A
8051	COMPOSITE	3/8	10.0 TTG		U A	6268	COMPOSITE	1/4	6.0 TTG		U A
8050	COMPOSITE	1/2	12.0 TTG		U A	6269	COMPOSITE	3/8	10.0 TTG		U A
Temp Glass Inc. ; El Paso, TX:						6270	COMPOSITE	1/2	12.0 TTG		U A
6698	COMPOSITE	3/16	5.0 TTG		U A	Thermo BSL ; Riviere-du-loup, QC:					
6699	COMPOSITE	1/4	6.0 TTG		U A	4290	COMP+CAN	1/8	3.0 TTG		U A
6700	COMPOSITE	3/8	10.0 TTG		U A	4291	COMP+CAN	5/32	4.0 TTG		U A
6701	COMPOSITE	1/2	12.0 TTG		U A	4292	COMP+CAN	3/16	5.0 TTG		U A
Tempco Glass ; Flushing, NY:						4293	COMP+CAN	1/4	6.0 TTG		U A
6715	COMPOSITE	1/8	3.0 TTG		U A	7094	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
5010	COMPOSITE	3/16	5.0 TTG		U A	5673	COMP+CAN	(H)	8 LTG (b)(A)	(.030)	U A
5011	COMPOSITE	1/4	6.0 TTG		U A	5674	COMP+CAN	(H)	10 LTG (ip)(A)	(.090)	U A
7285	COMPOSITE	5/16	8.0 TTG		U A						

Certified Products-Alphabetical By Plant

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Thiele Glas Werk GmbH ; Wermisdorf, Germany:						Tristar Glass, Inc. ; Houston, TX:									
8065	COMP+CAN	(H)	29 LSP	(ip)(A)	(.060)X2	U	A	5762	COMPOSITE	1/4	6.0 TTG	U	A		
Thompson I.G. LLC. ; Fenton, MI:						Triton Glass LLC ; Albemarle, NC:									
5303	COMP+CAN	1/8	3.0 TTG			U	A	7080	COMPOSITE	5/16	8.0 TTG	U	A		
5304	COMP+CAN	3/16	5.0 TTG			U	A	7081	COMPOSITE	3/8	10.0 TTG	U	A		
5305	COMP+CAN	1/4	6.0 TTG			U	A	Troy Systems LLC ; Manassas, VA:							
8180	COMP+CAN	(H)	8-12 LTG	(b)(A)	(.030)	U	A	4918	COMPOSITE	3/16	5.0 TTG	U	A		
7025	COMP+CAN	(H)	8-12 LTG	(ip)(A)	(.035)	U	A	4061	COMPOSITE	1/4	6.0 TTG	U	A		
5298	COMP+CAN	3/8	10.0 TTG			U	A	4062	COMPOSITE	3/8	10.0 TTG	U	A		
5299	COMP+CAN	1/2	12.0 TTG			U	A	5123	COMPOSITE	3/8	10.0 TPG (s)	U	A		
Tianjin CSG Energy Conservation Glass Co., Ltd ; Tianjin, China:						Trulite Glass & Aluminum Solutions Canada, ULC ; Bois-des-Filion, QC:									
4021	COMP+CAN	5/32	4.0 TTG			U	A	4063	COMPOSITE	1/2	12.0 TTG	U	A		
4022	COMP+CAN	3/16	5.0 TTG			U	A	Trulite Glass and Aluminum Solutions ; Aurora, CO:							
4023	COMP+CAN	1/4	6.0 TTG			U	A	5341	COMPOSITE	1/8	3.0 TTG	U	A		
4024	COMP+CAN	5/16	8.0 TTG			U	A	5348	COMPOSITE	5/32	4.0 TTG	U	A		
4030	COMP+CAN	(H)	8-16+ LTG	(b)(A)	(.030)	U	A	5349	COMPOSITE	3/16	5.0 TPG (m)	U	A		
4025	COMP+CAN	3/8	10.0 TTG			U	A	6613	COMPOSITE	3/16	5.0 TTG	U	A		
4026	COMP+CAN	1/2	12.0 TTG			U	A	5343	COMPOSITE	1/4	6.0 TTG	U	A		
4027	COMP+CAN	*	15.0 TTG	(4)		U	A	5344	COMPOSITE	3/8	10.0 TTG	U	A		
4028	COMP+CAN	3/4	19.0 TTG			U	A	5350	COMPOSITE	3/8	10.0 TPG (s)	U	A		
Tianjin Northglass Industrial Technical Co., Ltd ; Tianjin, China:						Trulite Glass and Aluminum Solutions ; Bradenton, FL:									
5220	COMPOSITE	5/16	8.0 TTG			U	A	5860	COMPOSITE	3/16	5.0 TTG	U	A		
5221	COMPOSITE	*	12.0 TTG	(3)		U	A	6189	COMPOSITE	3/16	5.0 TPG (d)	U	A		
6044	COMPOSITE	(H)	12 LTG	(b)(A)	(.060)	U	A	4225	COMPOSITE	1/4	6.0 TTG	U	A		
5223	COMPOSITE	(H)	16+ LTG	(ip)(A)	(.060)	U	A	4226	COMPOSITE	3/8	10.0 TTG	U	A		
Tianjin SYP Engineering Glass Co., Ltd. ; Tianjin, China:						Trulite Glass and Aluminum Solutions ; Cheswick, PA:									
4075	COMP+CAN	3/16	5.0 TTG			U	A	1785	COMPOSITE	3/16	5.0 TTG	U	A		
4076	COMP+CAN	1/4	6.0 TTG			U	A	1790	COMPOSITE	3/16	5.0 TPG (s)	U	A		
4077	COMP+CAN	5/16	8.0 TTG			U	A	1786	COMPOSITE	1/4	6.0 TTG	U	A		
4084	COMP+CAN	(H)	8-16+ LTG	(b)(A)	(.030)	U	A	3495	COMPOSITE	5/16	8.0 TTG	U	A		
4078	COMP+CAN	3/8	10.0 TTG			U	A	1787	COMPOSITE	3/8	10.0 TTG	U	A		
8035	COMP+CAN	(H)	10-16+ LTG	(ip)(A)	(.035)	U	A	4453	COMPOSITE	3/8	10.0 TPG (s)	U	A		
4079	COMP+CAN	*	12.0 TTG	(3)		U	A	1788	COMPOSITE	1/2	12.0 TTG	U	A		
4080	COMP+CAN	*	15.0 TTG	(3)		U	A	4134	COMPOSITE	5/8	16.0 TTG	U	A		
4081	COMP+CAN	3/4	19.0 TTG			U	A	4135	COMPOSITE	3/4	19.0 TTG	U	A		
Tomakk Glass Partners, LLC ; Shreveport, LA:						Trulite Glass and Aluminum Solutions ; City of Industry, CA:									
7736	COMP+CAN	1/8	3.0 TTG			U	A	4184	COMPOSITE	3/16	5.0 TTG	U	A		
7737	COMP+CAN	3/16	5.0 TTG			U	A	4185	COMPOSITE	1/4	6.0 TTG	U	A		
7738	COMP+CAN	1/4	6.0 TTG			U	A	4233	COMPOSITE	(S)	6 LTG	(b)(A)	(.030)	U	A
7739	COMP+CAN	3/8	10.0 TTG			U	A	6010	COMPOSITE	(H)	8-16+ LTG	(b)(A)	(.030)	U	A
7740	COMP+CAN	1/2	12.0 TTG			U	A	4186	COMPOSITE	3/8	10.0 TTG	U	A		
Trakya Glass Bulgaria EAD ; Targovishte, Bulgaria:						Trulite Glass and Aluminum Solutions ; Grand Prairie, TX:									
8203	COMP+CAN	(S)	6 LTG	(b)(A)	(.015)	U	A	5109	COMPOSITE	1/4	6.0 TTG	U	A		
8204	COMP+CAN	(H)	8-12 LTG	(b)(A)	(.015)	U	A								
Treaty City Industries Inc. ; Greenville OH:															
8373	COMP+CAN	1/8	3.0 TTG			U	A								
8375	COMP+CAN	1/8	3.0 TPG	(s)		U	A								
8374	COMP+CAN	5/32	4.0 TTG			U	A								
Tristar Glass, Inc. ; Catoosa, OK:															
4004	COMPOSITE	1/8	3.0 TTG			U	A								
4005	COMPOSITE	5/32	4.0 TTG			U	A								
7590	COMPOSITE	5/32	4.0 TPG	(s)		U	A								
4006	COMPOSITE	3/16	5.0 TTG			U	A								
4011	COMPOSITE	3/16	5.0 TPG	(m)		U	A								
4007	COMPOSITE	1/4	6.0 TTG			U	A								
5441	COMPOSITE	(S)	6 LTG	(b)(A)	(.030)	U	A								
7072	COMPOSITE	5/16	8.0 TTG			U	A								
4008	COMPOSITE	3/8	10.0 TTG			U	A								
4411	COMPOSITE	(H)	10-16+ LTG	(b)(A)	(.030)	U	A								
4009	COMPOSITE	1/2	12.0 TTG			U	A								
7073	COMPOSITE	3/4	19.0 TTG			U	A								

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE	ANSI	SGCC #	TEST STD	INCHES (MM)	TYPE	MAX SIZE	ANSI
		(THICKNESS CLASS)		CERTIFIED	CLASS			(THICKNESS CLASS)		CERTIFIED	CLASS
Trulite Glass and Aluminum Solutions ; Columbus, OH:						4981	COMPOSITE	5/32	4.0 TPG (d)		U A
4745	COMPOSITE	1/8	3.0 TTG		U A	4152	COMPOSITE	3/16	5.0 TTG		U A
6165	COMPOSITE	1/8	3.0 TPG (m)		U A	4160	COMPOSITE	3/16	5.0 TPG (d)		U A
6166	COMPOSITE	5/32	4.0 TPG (d)		U A	4153	COMPOSITE	1/4	6.0 TTG		U A
4746	COMPOSITE	3/16	5.0 TTG		U A	4158	COMPOSITE	3/8	10.0 TTG		U A
6167	COMPOSITE	3/16	5.0 TPG (m)		U A	5134	COMPOSITE	3/8	10.0 TPG (m)		U A
4747	COMPOSITE	1/4	6.0 TTG		U A	4159	COMPOSITE	1/2	12.0 TTG		U A
6168	COMPOSITE	1/4	6.0 TPG (m)		U A	Trulite Glass and Aluminum Solutions ; Las Vegas, NV:					
7459	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A	4210	COMPOSITE	1/8	3.0 TTG		U A
7460	COMPOSITE	(S)	6 LTG (ip)(A)	(.035)	U A	4217	COMPOSITE	1/8	3.0 TPG (s)		U A
7461	COMPOSITE	(H)	8-16+ LTG (b)(A)	(.030)	U A	4212	COMPOSITE	3/16	5.0 TTG		U A
7525	COMPOSITE	(H)	8-16+ LTG (ip)(A)	(.035)	U A	4219	COMPOSITE	3/16	5.0 TPG (m)		U A
8191	COMPOSITE	5/16	8.0 TTG		U A	4213	COMPOSITE	1/4	6.0 TTG		U A
6159	COMPOSITE	3/8	10.0 TTG		U A	4220	COMPOSITE	1/4	6.0 TPG (s)		U A
6169	COMPOSITE	3/8	10.0 TPG (s)		U A	4214	COMPOSITE	3/8	10.0 TTG		U A
4748	COMPOSITE	1/2	12.0 TTG		U A	4221	COMPOSITE	3/8	10.0 TPG (s)		U A
Trulite Glass and Aluminum Solutions ; Fort Worth, TX:						4215	COMPOSITE	1/2	12.0 TTG		U A
5397	COMPOSITE	5/32	4.0 TTG		U A	4216	COMPOSITE	3/4	19.0 TTG		U A
5398	COMPOSITE	3/16	5.0 TTG		U A	Trulite Glass and Aluminum Solutions ; Lithia Springs, GA:					
5404	COMPOSITE	3/16	5.0 TPG (m)		U A	6102	COMP+CAN	3/16	5.0 TTG		U A
5399	COMPOSITE	1/4	6.0 TTG		U A	6113	COMP+CAN	3/16	5.0 TPG (m)		U A
3603	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A	6103	COMP+CAN	1/4	6.0 TTG		U A
5728	COMPOSITE	(H)	8-16+ LTG (ip)(A)	(.035)	U A	6114	COMP+CAN	1/4	6.0 TPG (m)(IN)		U A
5783	COMPOSITE	(H)	8-16+ LTG (b)(A)	(.030)	U A	6108	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A
5400	COMPOSITE	3/8	10.0 TTG		U A	6110	COMP+CAN	(S)	6 LTG (ip)(A)(IN)	(.060)	U A
5405	COMPOSITE	3/8	10.0 TPG (m)		U A	7563	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A
5401	COMPOSITE	1/2	12.0 TTG		U A	7564	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.060)	U A
6389	COMPOSITE	5/8	16.0 TTG		U A	6104	COMP+CAN	3/8	10.0 TTG		U A
6388	COMPOSITE	3/4	19.0 TTG		U A	6115	COMP+CAN	3/8	10.0 TPG (s)		U A
Trulite Glass and Aluminum Solutions ; Grenada, MS:						6105	COMP+CAN	1/2	12.0 TTG		U A
2787	COMPOSITE	1/8	3.0 TTG		U A	6106	COMP+CAN	5/8	16.0 TTG		U A
2788	COMPOSITE	3/16	5.0 TTG		U A	6107	COMP+CAN	3/4	19.0 TTG		U A
6769	COMPOSITE	(S)	5 LTG (b)(A)	(.030)	U A	Trulite Glass and Aluminum Solutions ; New Berlin, WI:					
2789	COMPOSITE	1/4	6.0 TTG		U A	5876	COMPOSITE	1/8	3.0 TTG		U A
6760	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A	5318	COMPOSITE	3/16	5.0 TTG		U A
6615	COMPOSITE	(H)	8 LTG (b)(A)	(.060)	U A	5877	COMPOSITE	1/4	6.0 TTG		U A
7014	COMPOSITE	(H)	8 LTG (b)(A)	(.090)	U A	3430	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A
2840	COMPOSITE	3/8	10.0 TTG		U A	5320	COMPOSITE	5/16	8.0 TTG		U A
4744	COMPOSITE	(H)	10-16+ LTG (b)(A)	(.030)	U A	5936	COMPOSITE	(H)	8-12 LTG (b)(A)	(.030)	U A
5898	COMPOSITE	(H)	10-12 LTG (ip)(A)	(.035)	U A	5937	COMPOSITE	(H)	8-16+ LTG (ip)(A)	(.060)	U A
Trulite Glass and Aluminum Solutions ; Houston, TX:						5321	COMPOSITE	3/8	10.0 TTG		U A
5432	COMP+CAN	1/8	3.0 TTG		U A	5322	COMPOSITE	1/2	12.0 TTG		U A
5433	COMP+CAN	1/8	3.0 TPG (s)		U A	5896	COMPOSITE	5/8	16.0 TTG		U A
7018	COMP+CAN	5/32	4.0 TTG		U A	5897	COMPOSITE	3/4	19.0 TTG		U A
3925	COMP+CAN	3/16	5.0 TTG		U A	Trulite Glass and Aluminum Solutions ; Orlando, FL:					
3931	COMP+CAN	3/16	5.0 TPG (m)		U A	5183	COMPOSITE	1/8	3.0 TTG		U A
5434	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	5189	COMPOSITE	1/8	3.0 TPG (s)		U A
5483	COMP+CAN	1/4	6.0 TTG		U A	5185	COMPOSITE	3/16	5.0 TTG		U A
6741	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	5190	COMPOSITE	3/16	5.0 TPG (m)		U A
3927	COMP+CAN	3/8	10.0 TTG		U A	5184	COMPOSITE	1/4	6.0 TTG		U A
6742	COMP+CAN	(H)	10-16+ LTG (ip)(A)	(.035)	U A	5191	COMPOSITE	1/4	6.0 TPG (m)		U A
3928	COMP+CAN	1/2	12.0 TTG		U A	3461	COMPOSITE	(S)	6 LTG (b)(A)	(.030)	U A
5477	COMP+CAN	5/8	16.0 TTG		U A	5484	COMPOSITE	(H)	8-16+ LTG (b)(A)	(.030)	U A
7828	COMP+CAN	3/4	19.0 TTG		U A	5186	COMPOSITE	3/8	10.0 TTG		U A
Trulite Glass and Aluminum Solutions ; Indianapolis, IN:						5192	COMPOSITE	3/8	10.0 TPG (s)		U A
4750	COMPOSITE	3/16	5.0 TPG (s)		U A	5485	COMPOSITE	(H)	10-12 LTG (ip)(A)	(.060)	U A
4922	COMPOSITE	3/16	5.0 TTG		U A	5187	COMPOSITE	1/2	12.0 TTG		U A
4923	COMPOSITE	1/4	6.0 TTG		U A	5680	COMPOSITE	5/8	16.0 TTG		U A
4754	COMPOSITE	3/8	10.0 TTG		U A	Trulite Glass and Aluminum Solutions ; Phoenix, AZ:					
4753	COMPOSITE	1/2	12.0 TTG		U A	5701	COMPOSITE	5/32	4.0 TTG		U A
7086	COMPOSITE	5/8	16.0 TTG		U A	7878	COMPOSITE	5/32	4.0 TPG (d)		U A
Trulite Glass and Aluminum Solutions ; Knoxville, TN:						5702	COMPOSITE	3/16	5.0 TTG		U A
4207	COMPOSITE	1/8	3.0 TPG (m)		U A	5706	COMPOSITE	3/16	5.0 TPG (m)		U A
4209	COMPOSITE	1/8	3.0 TTG		U A	5746	COMPOSITE	1/4	6.0 TTG		U A
4827	COMPOSITE	5/32	4.0 TTG		U A	6759	COMPOSITE	1/4	6.0 TPG (m)		U A
						5703	COMPOSITE	3/8	10.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
5747	COMPOSITE	3/8	10.0 TPG (m)		U A	7619	COMP+CAN (S)	6	LTG (ip)(A)	(.035)	U A
5704	COMPOSITE	1/2	12.0 TTG		U A	5924	COMP+CAN	5/16	8.0 TTG		U A
7002	COMPOSITE	3/4	19.0 TTG		U A	5920	COMP+CAN	3/8	10.0 TPG (s)(IN)		U A
Trulite Glass and Aluminum Solutions ; Salt Lake City, UT:											
6447	COMPOSITE	1/8	3.0 TTG		U A	5925	COMP+CAN	3/8	10.0 TTG		U A
5337	COMPOSITE	3/16	5.0 TTG		U A	6864	COMP+CAN (H)	10,16+	LTG (ip)(A)	(.035)	U A
6006	COMPOSITE	3/16	5.0 TPG (m)		U A	5926	COMP+CAN	1/2	12.0 TTG		U A
5338	COMPOSITE	1/4	6.0 TTG		U A	5927	COMP+CAN	5/8	16.0 TTG		U A
6007	COMPOSITE	1/4	6.0 TPG (m)		U A	6157	COMP+CAN	3/4	19.0 TTG		U A
5339	COMPOSITE	3/8	10.0 TTG		U A	Uniglass ; Riyadh, Saudi Arabia:					
6008	COMPOSITE	3/8	10.0 TPG (s)		U A	8404	COMP+CAN	1/4	6.0 TTG		U A
5340	COMPOSITE	1/2	12.0 TTG		U A	7030	COMPOSITE	5/16	8.0 TTG		U A
7580	COMPOSITE	5/8	16.0 TTG		U A	7031	COMPOSITE	3/8	10.0 TTG		U A
Trulite Glass and Aluminum Solutions ; Tulsa, OK:											
5687	COMPOSITE	1/8	3.0 TTG		U A	8405	COMP+CAN (H)	12	LTG (b)(A)	(.030)	U A
5688	COMPOSITE	1/8	3.0 TPG (s)		U A	7032	COMPOSITE *	12.0	TTG (7)		U A
5443	COMPOSITE	5/32	4.0 TTG		U A	United Plate Glass Co., Inc. ; Butler, PA:					
5448	COMPOSITE	5/32	4.0 TPG (d)		U A	2467	COMP+CAN	1/8	3.0 TTG		U A
5444	COMPOSITE	3/16	5.0 TTG		U A	6375	COMP+CAN	5/32	4.0 TPG (m)		U A
5449	COMPOSITE	3/16	5.0 TPG (m)		U A	2468	COMP+CAN	3/16	5.0 TTG		U A
5445	COMPOSITE	1/4	6.0 TTG		U A	2469	COMP+CAN	1/4	6.0 TTG		U A
5446	COMPOSITE	3/8	10.0 TTG		U A	6224	COMP+CAN (S)	6	LTG (b)(A)	(.030)	U A
5451	COMPOSITE	3/8	10.0 TPG (s)		U A	6250	COMP+CAN (S)	6	LTG (ip)(A)	(.035)	U A
5447	COMPOSITE	1/2	12.0 TTG		U A	6251	COMP+CAN (H)	8-16+	LTG (ip)(A)	(.035)	U A
Trulite Glass and Aluminum Solutions ; Woodbridge, ON:											
5507	COMP+CAN	5/32	4.0 TTG		U A	6225	COMP+CAN (H)	8-16+	LTG (b)(A)	(.030)	U A
5508	COMP+CAN	3/16	5.0 TTG		U A	2470	COMP+CAN	3/8	10.0 TTG		U A
5509	COMP+CAN	1/4	6.0 TTG		U A	2471	COMP+CAN	1/2	12.0 TTG		U A
5631	COMP+CAN (S)	6	LTG (b)(A)	(.030)	U A	United Plate Glass Company of Charlotte ; Lincolnton, NC:					
5510	COMP+CAN	5/16	8.0 TTG		U A	3948	COMP+CAN	1/8	3.0 TTG		U A
7290	COMP+CAN (H)	8-16+	LTG (b)(A)	(.030)	U A	3954	COMP+CAN	1/8	3.0 TPG (s)		U A
5511	COMP+CAN	3/8	10.0 TTG		U A	4197	COMPOSITE	5/32	4.0 TTG		U A
5782	COMP+CAN	1/2	12.0 TTG		U A	4636	COMPOSITE	5/32	4.0 TPG (m)		U A
Trulite Glass and Aluminum Solutions ; Youngsville, NC:											
5517	COMPOSITE	5/32	4.0 TTG		U A	3949	COMP+CAN	3/16	5.0 TTG		U A
5273	COMPOSITE	3/16	5.0 TTG		U A	3955	COMP+CAN	3/16	5.0 TPG (s)		U A
5279	COMPOSITE	3/16	5.0 TPG (m)		U A	3950	COMP+CAN	1/4	6.0 TTG		U A
5274	COMPOSITE	1/4	6.0 TTG		U A	3951	COMP+CAN	3/8	10.0 TTG		U A
7951	COMPOSITE (S)	6	LTG (b)(A)	(.030)	U A	3952	COMP+CAN	1/2	12.0 TTG		U A
5518	COMPOSITE	5/16	8.0 TTG		U A	United Plate Glass of Maryland LLC ; Frederick, MD:					
7599	COMPOSITE	H	8.0 LTG (b)(A)	(.030)	U A	7889	COMP+CAN	3/16	5.0 TTG		U A
5275	COMPOSITE	3/8	10.0 TTG		U A	7890	COMP+CAN	1/4	6.0 TTG		U A
6187	COMPOSITE	3/8	10.0 TPG (s)		U A	7891	COMP+CAN	3/8	10.0 TTG		U A
7705	COMPOSITE (H)	10-16+	LTG (ip)(A)	(.060)	U A	7892	COMP+CAN	1/2	12.0 TTG		U A
5276	COMPOSITE	1/2	12.0 TTG		U A	Unitex Glass Chengdu Co., Ltd ; Chendu, Sichuan, China:					
6009	COMPOSITE	5/8	16.0 TTG		U A	5462	COMP+CAN	1/8	3.0 TTG		U A
5277	COMPOSITE	3/4	19.0 TTG		U A	5463	COMP+CAN	5/32	4.0 TTG		U A
Türkiye Şişe ve CamFabrikaları A.Ş. ŞişecamDüzcam Bursa FabrikasıSubesi ; Bursa, Turkey:											
8193	COMP+CAN (H)	10-12	LTG (b)(A)	(.015)	U A	5407	COMP+CAN	3/16	5.0 TTG		U A
TVITEC ; Cubillo del Sil, Spain:											
7370	COMP+CAN (H)	10-16+	LTG (b)(A)	(.030)	U A	5408	COMP+CAN	1/4	6.0 TTG		U A
7573	COMP+CAN (H)	10	LTG (b)(A)	(.060)	U A	6519	COMP+CAN	5/16	8.0 TTG		U A
5519	COMP+CAN (H)	12, 16+	LTG (ip)(A)	(.030)	U A	5414	COMP+CAN	3/8	10.0 TTG		U A
Tweddells Inc. ; Santa Ana, CA:											
5384	COMP+CAN	1/8	3.0 TTG		U A	6520	COMP+CAN	1/2	12.0 TTG		U A
4993	COMP+CAN	3/16	5.0 TTG		U A	Upstate Glass Tempering Inc. ; Middletown, NY:					
5385	COMP+CAN	1/4	6.0 TTG		U A	4926	COMPOSITE	1/8	3.0 TTG		U A
5386	COMP+CAN	3/8	10.0 TTG		U A	5157	COMPOSITE	1/4	6.0 TTG		U A
U.S. Glass Distributors Inc. ; Enfield, CT:											
5921	COMP+CAN	1/8	3.0 TTG		U A	4927	COMPOSITE	3/8	10.0 TTG		U A
5917	COMP+CAN	5/32	4.0 TPG (d)		U A	5158	COMPOSITE	1/2	12.0 TTG		U A
5918	COMP+CAN	3/16	5.0 TPG (m)		U A	6743	COMPOSITE	5/8	16.0 TTG (IN)		U A
5922	COMP+CAN	3/16	5.0 TTG		U A	US Glass Tempering Inc. ; San Leandro, CA:					
5923	COMP+CAN	1/4	6.0 TTG		U A	7156	COMPOSITE	1/8	3.0 TTG		U A
						7158	COMPOSITE	5/32	4.0 TTG		U A
						7159	COMPOSITE	3/16	5.0 TTG		U A
						7157	COMPOSITE	1/4	6.0 TTG		U A
						7160	COMPOSITE	3/8	10.0 TTG		U A
						7996	COMPOSITE	3/8	10.0 TPG (s)		U A
						7161	COMPOSITE	1/2	12.0 TTG		U A
						Valentini Glass & Components srl ; Brescia, Italy:					
						2423	COMPOSITE	5/32	4.0 TTG		U A

Certified Products-Alphabetical By Plant

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4246	COMPOSITE	5/32	4.0 TBG		U A	5194	COMPOSITE (H)	10-16+ LTG	(ip)(A)	(.035)	U A
7825	COMPOSITE	3/16	5.0 TTG		U A	94	COMPOSITE	1/2	12.0 TTG		U A
7826	COMPOSITE	3/16	5.0 TBG		U A	8376	COMPOSITE (H)	12-16+ LTG	(b)(A)	(.030)	U A
2898	COMPOSITE	1/4	6.0 TBG		U A	2182	COMPOSITE	5/8	16.0 TTG		U A
6816	COMPOSITE	1/2	12.0 TTG		U A	95	COMPOSITE	3/4	19.0 TTG		U A
Vanbo Glass Industries Inc. ; Surrey, BC:						Vista Glass Corporation ; Vaughan, ON:					
8068	COMP+CAN	1/4	6.0 TTG		U A	8444	COMP+CAN	3/16	5.0 TTG		U A
8069	COMP+CAN	1/2	12.0 TTG (3)		U A	8445	COMP+CAN	1/4	6.0 TTG		U A
Vandaglas GmbH ; Radeburg, Germany:						Vistamatic, LLC ; Coral Springs, FL:					
6913	COMP+CAN	1/4	6.0 TTG		U A	8446	COMP+CAN	5/16	8.0 TTG		U A
6914	COMP+CAN	5/16	8.0 TTG		U A	8447	COMP+CAN	3/8	10.0 TTG		U A
6915	COMP+CAN	3/8	10.0 TTG		U A	8448	COMP+CAN	1/2	12.0 TTG		U A
6800	COMP+CAN (H)	12	LTG (b)(A)	(.030)	U A	6535	COMPOSITE	5/32	4.0 TTG		U A
6801	COMP+CAN (H)	16+	LTG (b)(A)	(.060)	U A	6536	COMPOSITE	3/16	5.0 TTG		U A
Vetzeria F. Illi Paci S.R.L. ; Seregno, Italy:						Vitelsa Mosquera ; Bogota, Cundinamarca, Columbia:					
8105	COMPOSITE	1/4	6.0 TTG		U A	6537	COMPOSITE	1/4	6.0 TTG		U A
7855	COMPOSITE	5/16	8.0 TTG		U A	6538	COMPOSITE	3/8	10.0 TTG		U A
7854	COMPOSITE (H)	10-12	LTG (ev)(A)	(.030)	U A	6539	COMPOSITE	1/2	12.0 TTG		U A
7856	COMPOSITE	3/8	10.0 TTG		U A	6865	COMPOSITE (H)	8-12	LTG (b)(A)	(.030)	U A
7857	COMPOSITE	1/2	12.0 TTG		U A	6866	COMPOSITE (H)	8-16+	LTG (ip)(A)	(.035)	U A
Vetrodomus SpA ; Brescia, Italy:						Vitrex ; Reynosa, Tamaulipas, Mexico:					
7492	COMPOSITE	1/4	6.0 TTG		U A	5393	COMP+CAN	1/4	6.0 TTG		U A
7493	COMPOSITE	5/16	8.0 TTG		U A	5394	COMP+CAN	3/8	10.0 TTG		U A
7495	COMPOSITE (H)	8,10	LTG (b)(A)	(.030)	U A	5395	COMP+CAN	1/2	12.0 TTG		U A
7494	COMPOSITE	3/8	10.0 TTG		U A	Vitalum Glass Solutions Inc. ; Altamonte Springs, FL:					
Vidrio Bisel S.A. de C.V. (Santa Catarina) ; Monterrey, Nuevo Leon, Mexico:						7853	COMPOSITE	3/8	10.0 TTG		U A
4966	COMP+CAN	1/4	6.0 TTG		U A	8107	COMPOSITE	1/2	12.0 TTG		U A
4967	COMP+CAN	3/8	10.0 TTG		U A	Vitro Architectural Glass ; Barrie, ON:					
Vidrio Plano De Mexico S.A. DE C.V. ; Garcia Nuevo Leon, Nuevo Leon:						5207	COMP+CAN	1/8	3.0 TTG		U A
7735	COMP+CAN	1/8	3.0 TTG		U A	5204	COMP+CAN	5/32	4.0 TTG		U A
8381	COMP+CAN	5/32	4.0 TTG		U A	7083	COMP+CAN	5/32	4.0 TPG (m)		U A
8382	COMP+CAN	3/16	5.0 TTG		U A	5205	COMP+CAN	3/16	5.0 TTG		U A
8383	COMP+CAN	1/4	6.0 TTG		U A	5206	COMP+CAN	1/4	6.0 TTG		U A
View Inc. ; Olive Branch, MS:						Vitro Flat Glass, LLC ; Carlisle, PA:					
4725	COMPOSITE	1/8	3.0 TTG		U A	250	COMP+CAN	1/8	3.0 TTG		U A
4726	COMPOSITE	5/32	4.0 TTG		U A	675	COMP+CAN	5/32	4.0 TTG		U A
7961	COMPOSITE	3/16	5.0 TTG		U A	249	COMP+CAN	3/16	5.0 TTG		U A
4728	COMPOSITE	1/4	6.0 TTG		U A	382	COMP+CAN	1/4	6.0 TTG		U A
6390	COMPOSITE (S)	6	LTG (b)(A)	(.030)	U A	Vitro Flat Glass, LLC ; Wichita Falls, TX:					
7107	COMPOSITE	5/16	8.0 TTG		U A	1110	COMP+CAN	1/8	3.0 TTG		U A
7711	COMPOSITE (H)	8	LTG (b)(A)	(.030)	U A	1111	COMP+CAN	5/32	4.0 TTG		U A
8217	COMPOSITE (H)	8	LTG (ip)(A)	(.060)	U A	1112	COMP+CAN	3/16	5.0 TTG		U A
7108	COMPOSITE	3/8	10.0 TTG		U A	1113	COMP+CAN	1/4	6.0 TTG		U A
Viewrail ; Goshen, IN:						3577	COMP+CAN	5/16	8.0 TTG		U A
7607	COMP+CAN	1/2	12.0 TTG		U A	3578	COMP+CAN	3/8	10.0 TTG		U A
8423	COMP+CAN (H)	12	LTG (ip)(A)	(.035)	U A	Vitrum Industries Ltd. ; Langley, BC:					
Viracon Inc. ; Owatonna, MN:						7720	COMP+CAN	1/8	3.0 TPG (s)		U A
4354	COMP+CAN	5/32	4.0 TTG		U A	7723	COMP+CAN	1/8	3.0 TTG		U A
1403	COMP+CAN	3/16	5.0 TTG		U A	7118	COMP+CAN	5/32	4.0 TTG		U A
1404	COMP+CAN	1/4	6.0 TTG		U A	7721	COMP+CAN	5/32	4.0 TPG (m)		U A
1637	COMP+CAN (S)	6	LTG (b)(A)	(.030)	U A	7119	COMP+CAN	3/16	5.0 TTG		U A
3689	COMP+CAN	5/16	8.0 TTG		U A	7722	COMP+CAN	3/16	5.0 TPG (m)		U A
4249	COMP+CAN (H)	8-16+	LTG (b)(A)	(.030)	U A	7117	COMP+CAN	1/4	6.0 TTG		U A
1508	COMP+CAN	3/8	10.0 TTG		U A	7725	COMP+CAN (S)	6	LTG (ip)(A)	(.035)	U A
1509	COMP+CAN	1/2	12.0 TTG		U A	7790	COMP+CAN	1/4	6.0 TPG (m)		U A
8403	COMP+CAN (H)	12-16+	LSP (b)(A)	(.060X2)	U A	7871	COMP+CAN (S)	6	LTG (b)(A)	(.030)	U A
4250	COMP+CAN (H)	12-16+	LTG (ip)(A)	(.060)	U A	8022	COMP+CAN	1/4	6.0 TBG		U A
Virginia Glass Products Corp. ; Ridgeway, VA:						7120	COMP+CAN	5/16	8.0 TTG		U A
12	COMPOSITE	3/16	5.0 TTG (IN)		U A	7124	COMP+CAN (H)	8-16+	LTG (b)(A)	(.030)	U A
14	COMPOSITE	1/4	6.0 TTG		U A	7726	COMP+CAN (H)	8-16+	LTG (ip)(A)	(.035)	U A
8116	COMP+CAN	5/16	8.0 TTG		U A	7777	COMP+CAN	3/8	10.0 TBG		U A
93	COMPOSITE	3/8	10.0 TTG		U A	8291	COMP+CAN	3/8	10.0 TTG		U A

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	
7122	COMP+CAN	1/2	TTG		U A	Wholesale Glass Dist. ; Memphis, TN:						
7699	COMP+CAN	1/2	TBG		U A	7703	COMPOSITE	1/8	3.0 TTG		U A	
8292	COMP+CAN	5/8	TTG		U A	4379	COMPOSITE	3/16	5.0 TTG		U A	
7381	COMP+CAN	3/4	TTG		U A	4380	COMPOSITE	1/4	6.0 TTG		U A	
Vitrum Industries Ltd. ; Rocky View County (Calgary):						4381	COMPOSITE	3/8	10.0 TTG		U A	
7530	COMP+CAN	5/32	4.0 TTG		U A	4382	COMPOSITE	1/2	12.0 TTG		U A	
7531	COMP+CAN	3/16	5.0 TTG		U A	WHTB Glass, LLC ; Shirley, NY:						
7532	COMP+CAN	1/4	6.0 TTG		U A	7741	COMP+CAN	3/16	5.0 TTG		U A	
7533	COMP+CAN	5/16	8.0 TTG		U A	7742	COMP+CAN	1/4	6.0 TTG		U A	
7534	COMP+CAN	3/8	10.0 TTG		U A	8396	COMP+CAN	(S)	6 LTG	(b)(HS)	(.030)	U A
7535	COMP+CAN	1/2	12.0 TTG		U A	7743	COMP+CAN	5/16	8.0 TTG		U A	
8284	COMP+CAN	(H)	12 LSP	(b)(A)	(.030)X2	U A	7744	COMP+CAN	3/8	10.0 TTG		U A
Viwinco, Inc. ; Morgantown, PA:						7747	COMP+CAN	(H)	10-16+ LTG	(b)(A)	(.030)	U A
3074	COMPOSITE	1/8	3.0 TTG		U A	8223	COMP+CAN	(H)	10 LTG	(ip)(A)	(.035)	U A
6803	COMPOSITE	1/8	3.0 TPG	(s)	U A	7745	COMP+CAN	1/2	12.0 TTG		U A	
3405	COMPOSITE	3/16	5.0 TTG		U A	Window Creations, LLC ; Fort Jennings, OH:						
6374	COMPOSITE	(H)	8-12 LTG	(ip)(A)	(.090)	U A	8127	COMP+CAN	3/16	5.0 TTG		U A
3408	COMPOSITE	(H)	8 LTG	(b)(A)	(.090)	U A	8128	COMP+CAN	1/4	6.0 TTG		U A
Vortex Glass LLC ; Hialeah, FL:						8129	COMP+CAN	3/8	10.0 TTG		U A	
8397	COMPOSITE	3/16	5.0 TTG		U A	8130	COMP+CAN	1/2	12.0 TTG		U A	
8398	COMPOSITE	1/4	6.0 TTG		U A	WinTech ; Monett, MO:						
8399	COMPOSITE	3/8	10.0 TTG		U A	6433	COMP+CAN	1/8	3.0 TTG		U A	
8402	COMPOSITE	3/8	10.0 TPG	(s)	U A	6434	COMP+CAN	1/4	6.0 TTG		U A	
8400	COMPOSITE	1/2	12.0 TTG		U A	Wisconsin Shower Door & Supply Corp ; Menomonee Falls, WI:						
8401	COMPOSITE	3/4	19.0 TTG		U A	5585	COMPOSITE	1/8	3.0 TTG		U A	
W. A. Wilson Inc. ; Wheeling, WV:						5592	COMPOSITE	1/8	3.0 TPG	(s)	U A	
4169	COMPOSITE	1/8	3.0 TTG		U A	5587	COMPOSITE	3/16	5.0 TTG		U A	
5173	COMPOSITE	1/8	3.0 TPG	(d)	U A	5594	COMPOSITE	3/16	5.0 TPG	(s)	U A	
4170	COMPOSITE	3/16	5.0 TTG		U A	5588	COMPOSITE	1/4	6.0 TTG		U A	
4175	COMPOSITE	3/16	5.0 TPG	(d)	U A	5595	COMPOSITE	1/4	6.0 TPG	(m)	U A	
4171	COMPOSITE	1/4	6.0 TTG		U A	5589	COMPOSITE	3/8	10.0 TTG		U A	
8059	COMPOSITE	5/16	8.0 TTG		U A	5596	COMPOSITE	3/8	10.0 TPG	(m)	U A	
4172	COMPOSITE	3/8	10.0 TTG		U A	5590	COMPOSITE	1/2	12.0 TTG		U A	
4176	COMPOSITE	3/8	10.0 TPG	(s)	U A	5597	COMPOSITE	1/2	12.0 TPG	(m)	U A	
4173	COMPOSITE	1/2	12.0 TTG		U A	Wolverine Glass Products, Inc. ; Wyoming, MI:						
W.C.P., Inc dba West Coast Insulated Glass Products ; Cerritos, CA:						7986	COMP+CAN	1/8	3.0 TPG	(m)	U A	
6084	COMP+CAN	1/8	3.0 TTG		U A	8036	COMP+CAN	1/8	3.0 TTG		U A	
6088	COMP+CAN	1/8	3.0 TPG	(s)	U A	7981	COMP+CAN	5/32	4.0 TTG		U A	
6085	COMP+CAN	5/32	4.0 TTG		U A	7987	COMP+CAN	5/32	4.0 TPG	(d)	U A	
6089	COMP+CAN	5/32	4.0 TPG	(m)	U A	7982	COMP+CAN	3/16	5.0 TTG		U A	
6086	COMP+CAN	3/16	5.0 TTG		U A	8037	COMP+CAN	1/4	6.0 TTG		U A	
6090	COMP+CAN	3/16	5.0 TPG	(d)	U A	7983	COMP+CAN	5/16	8.0 TTG		U A	
6087	COMP+CAN	1/4	6.0 TTG		U A	7984	COMP+CAN	3/8	10.0 TTG		U A	
8014	COMP+CAN	(S)	6 LTG	(ip)(A)	(.035)	U A	7985	COMP+CAN	1/2	12.0 TTG		U A
6091	COMP+CAN	(S)	6.1 LTG	(b)(A)	(.030)	U A	Woodbridge Glass Distribution Inc. ; Concord, Ontario:					
7077	COMP+CAN	(H)	8-16+ LTG	(ip)(A)	(.035)	U A	7896	COMP+CAN	1/8	3.0 TTG		U A
8181	COMP+CAN	5/16	8.0 TTG		U A	7897	COMP+CAN	5/32	4.0 TTG		U A	
6092	COMP+CAN	(H)	8-16+ LTG	(b)(A)	(.030)	U A	7903	COMP+CAN	5/32	4.0 TPG	(m)	U A
7075	COMP+CAN	3/8	10.0 TTG		U A	7898	COMP+CAN	3/16	5.0 TTG		U A	
7076	COMP+CAN	1/2	12.0 TTG		U A	7904	COMP+CAN	3/16	5.0 TPG	(s)	U A	
Wexford Viking Glass Limited ; Wexford, Leinster:						7899	COMP+CAN	1/4	6.0 TTG		U A	
8287	COMPOSITE	1/4	6.0 TTG		U A	7900	COMP+CAN	5/16	8.0 TTG		U A	
Whalley Glass Co ; Derby, CT:						7901	COMP+CAN	3/8	10.0 TTG		U A	
6227	COMPOSITE	3/16	5.0 TTG		U A	7905	COMP+CAN	3/8	10.0 TPG	(s)	U A	
6228	COMPOSITE	1/4	6.0 TTG		U A	7902	COMP+CAN	1/2	12.0 TTG		U A	
6229	COMPOSITE	3/8	10.0 TTG		U A	Woon-Tech Inc. ; Whitinsville, MA:						
White Aluminum Enterprises LLC ; Abu Dhabi, United Arab Emirates:						6364	COMP+CAN	1/8	3.0 TTG		U A	
7085	COMPOSITE	5/32	4.0 TTG		U A	6365	COMP+CAN	5/32	4.0 TTG		U A	
4598	COMPOSITE	1/4	6.0 TTG		U A	6366	COMP+CAN	3/16	5.0 TTG		U A	
4597	COMPOSITE	5/16	8.0 TTG		U A	6367	COMP+CAN	1/4	6.0 TTG		U A	
7237	COMPOSITE	(H)	8-16+ LTG	(ip)(T)	(.035)	U A	6368	COMP+CAN	3/8	10.0 TTG		U A
7260	COMPOSITE	(H)	8-16+ LTG	(b)(T)	(.030)	U A	6369	COMP+CAN	1/2	12.0 TTG		U A
7477	COMPOSITE	3/8	10.0 TTG		U A	6370	COMP+CAN	5/8	16.0 TTG		U A	
						6371	COMP+CAN	3/4	19.0 TTG		U A	

Certified Products-Alphabetical By Plant

SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS	SGCC #	TEST STD	INCHES (MM) (THICKNESS CLASS)	TYPE	MAX SIZE CERTIFIED	ANSI CLASS
WSD Glass, Inc. ; Winston-Salem, NC:						4648	COMP+CAN	5/16	8.0 TTG		U A
4048	COMPOSITE	3/16	5.0 TTG		U A	3054	COMP+CAN	3/8	10.0 TTG		U A
4049	COMPOSITE	1/4	6.0 TTG		U A	3489	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.030)	U A
4052	COMPOSITE	3/8	10.0 TTG		U A	3055	COMP+CAN	*	12.0 TTG (4)		U A
4050	COMPOSITE	1/2	12.0 TTG		U A	4179	COMP+CAN	*	15.0 TTG (4)		U A
Wujiang CSG Huadong Architectural Glass Co., LTD ; Wujiang, Jiangsu, China:						Yakut Cam A.S ; Istanbul, Sancaktepe:					
6784	COMPOSITE	3/16	5.0 TTG		U A	7957	COMP+CAN	1/4	6.0 TTG		U A
6785	COMPOSITE	1/4	6.0 TTG		U A	7958	COMP+CAN	5/16	8.0 TTG		U A
6786	COMPOSITE	5/16	8.0 TTG		U A	7959	COMP+CAN	3/8	10.0 TTG		U A
6787	COMPOSITE	3/8	10.0 TTG		U A	8092	COMP+CAN	(H)	10-16+ LTG (b)(A)	(.030)	U A
6790	COMPOSITE	(H)	10-16+ LTG (b)(A)	(.030)	U A	7960	COMP+CAN	1/2	12.0 TTG		U A
6788	COMPOSITE	1/2	12.0 TTG		U A	Yantai Bluesky Glass Co., Ltd ; Yantai City, Shandong:					
6789	COMPOSITE	*	15.0 TTG (4)		U A	8288	COMPOSITE	5/32	4.0 TTG		U A
Wujiang Golden Glass Technologies, Ltd. ; Wujiang City, China:						8289	COMPOSITE	1/4	6.0 TTG		U A
5251	COMP+CAN	1/4	6.0 TTG		U A	8290	COMPOSITE	3/8	10.0 TTG		U A
5252	COMP+CAN	5/16	8.0 TTG		U A	Yantai Dongfang Glass Co., Ltd ; Yantai, Shandong:					
5257	COMP+CAN	(H)	8 LTG (b)(A)	(.030)	U A	8234	COMP+CAN	3/16	5.0 TTG		U A
5253	COMP+CAN	3/8	10.0 TTG		U A	8235	COMP+CAN	1/4	6.0 TTG		U A
5258	COMP+CAN	(H)	10 LTG (ip)(A)	(.035)	U A	8236	COMP+CAN	3/8	10.0 TTG		U A
5254	COMP+CAN	*	12.0 TTG (3)		U A	Yao Xiang Glass Product Co. Ltd. ; Foshan, Guangdong, China:					
5255	COMP+CAN	*	15.0 TTG (4)		U A	3736	COMP+CAN	5/32	4.0 TTG		U A
5256	COMP+CAN	3/4	19.0 TTG		U A	3737	COMP+CAN	3/16	5.0 TTG		U A
Xiamen Shiner Industrial Co., Ltd. ; Xiamen, Fujian:						3742	COMP+CAN	3/16	5.0 TBG		U A
8348	COMP+CAN	5/32	4.0 TTG		U A	3738	COMP+CAN	1/4	6.0 TTG		U A
7948	COMP+CAN	3/16	5.0 TTG		U A	3743	COMP+CAN	1/4	6.0 TBG		U A
7949	COMP+CAN	1/4	6.0 TTG		U A	3739	COMP+CAN	5/16	8.0 TTG		U A
7950	COMP+CAN	3/8	10.0 TTG		U A	3740	COMP+CAN	3/8	10.0 TTG		U A
Xiamen Togen Building Products Co., Ltd. ; Fujian, China:						3741	COMP+CAN	1/2	12.0 TTG		U A
7963	COMPOSITE	3/8	10.0 TTG		U A	Yildiz Cam San. Tic. A.S. ; Istanbul, Umraniye:					
7964	COMPOSITE	1/2	12.0 TTG		U A	7923	COMPOSITE	3/8	10.0 TTG		U A
7966	COMPOSITE	(H)	12 LTG (b)(A)	(.060)	U A	7925	COMPOSITE	(H)	10-16+ LTG (b)(A)	(.030)	U A
7965	COMPOSITE	(H)	16+ LTG (ip)(A)	(.035)	U A	7924	COMPOSITE	1/2	12.0 TTG		U A
Xianning CSG Energy Conservation Glass Co., LTD. ; Xianning, Hubei, China:						Yitian (Cattis) Glass Product Co., Ltd ; Foshan, Guangdong, China:					
5979	COMP+CAN	3/16	5.0 TTG		U A	6453	COMP+CAN	1/4	6.0 TTG		U A
6004	COMP+CAN	1/4	6.0 TTG		U A	6454	COMP+CAN	5/16	8.0 TTG		U A
6005	COMP+CAN	5/16	8.0 TTG		U A	6455	COMP+CAN	3/8	10.0 TTG		U A
5980	COMP+CAN	3/8	10.0 TTG		U A	Yong Feng Tai Foshan City Glass Co., LTD. ; Foshan, Guangdong, China:					
7867	COMP+CAN	(H)	10 LTG (b)(T)	(.030)	U A	6877	COMP+CAN	5/32	4.0 TTG		U A
5981	COMP+CAN	*	12.0 TTG (4)		U A	5890	COMP+CAN	3/16	5.0 TTG		U A
5982	COMP+CAN	*	15.0 TTG (4)		U A	6878	COMP+CAN	3/16	5.0 TPG (m)		U A
5983	COMP+CAN	3/4	19.0 TTG		U A	7066	COMP+CAN	3/16	5.0 TBG		U A
Xinyi Glass (Tianjin) Co. Ltd. ; Tianjin, China:						5891	COMP+CAN	1/4	6.0 TTG		U A
5532	COMP+CAN	3/16	5.0 TTG		U A	5894	COMP+CAN	1/4	6.0 TBG		U A
5533	COMP+CAN	1/4	6.0 TTG		U A	5892	COMP+CAN	5/16	8.0 TTG		U A
5538	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	6879	COMP+CAN	5/16	8.0 TBG		U A
5534	COMP+CAN	5/16	8.0 TTG		U A	5893	COMP+CAN	3/8	10.0 TTG		U A
5539	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	Yorglass Cam Sanayi Ve Ticaret A.S. ; Manisa, Turkey:					
5535	COMP+CAN	3/8	10.0 TTG		U A	8408	COMPOSITE	1/8	3.0 TTG		U A
5536	COMP+CAN	1/2	12.0 TTG		U A	8409	COMPOSITE	5/32	4.0 TTG		U A
6329	COMP+CAN	*	15.0 TTG (4)		U A	Zhangjiagang City Daming Glass Product Co., Ltd ; Zhangjiagang City, Jiangsu:					
Xinyi Glass (Yingkou) Co., Ltd. ; Liaoning, China:						5464	COMP+CAN	5/16	8.0 TTG		U A
6848	COMP+CAN	1/4	6.0 TTG		U A	7048	COMP+CAN	(H)	8-10 LTG (ip)(A)	(.035)	U A
7373	COMP+CAN	(S)	6 LTG (b)(A)	(.015)	U B	5465	COMP+CAN	3/8	10.0 TTG		U A
6852	COMP+CAN	(S)	6 LTG (b)(A)	(.030)	U A	5466	COMP+CAN	1/2	12.0 TTG		U A
6849	COMP+CAN	5/16	8.0 TTG		U A	Zhangjiagang Weiyu Fabricated Glassware Co. Ltd. ; Zhangjiagang, Jiangsu, China:					
7841	COMP+CAN	(H)	8-12 LTG (b)(A)	(.015)	U B	5737	COMP+CAN	1/8	3.0 TTG		U A
7842	COMP+CAN	(H)	8-16+ LTG (ip)(A)	(.035)	U A	5738	COMP+CAN	5/32	4.0 TTG		U A
6853	COMP+CAN	(H)	8-16+ LTG (b)(A)	(.030)	U A	Zhongshan Walle Glass Product Co., Ltd ; Zhongshan City, Guangdong Province:					
6850	COMP+CAN	3/8	10.0 TTG		U A	8142	COMPOSITE	1/4	6.0 TTG		U A
6851	COMP+CAN	*	12.0 TTG (3)		U A	8143	COMPOSITE	5/16	8.0 TTG		U A
Xinyi Group (Glass) Co., Ltd. ; Dongguan, Guangdong, China:											
3085	COMP+CAN	3/16	5.0 TTG		U A						
3053	COMP+CAN	1/4	6.0 TTG		U A						

January 2022

Certified Products-Alphabetical By Plant

<i>SGCC #</i>	<i>TEST STD</i>	<i>INCHES (MM)</i>	<i>TYPE</i>	<i>MAX SIZE</i>	<i>ANSI</i>	<i>SGCC #</i>	<i>TEST STD</i>	<i>INCHES (MM)</i>	<i>TYPE</i>	<i>MAX SIZE</i>	<i>ANSI</i>
		<i>(THICKNESS</i>		<i>CERTIFIED</i>	<i>CLASS</i>			<i>(THICKNESS</i>		<i>CERTIFIED</i>	<i>CLASS</i>
		<i>CLASS)</i>						<i>CLASS)</i>			
8144	COMPOSITE	3/8	10.0	TTG							U A

CERTIFIED PRODUCTS KEY

Glass Product Type Codes

TTG	TEMPERED TRANSPARENT GLASS
TPG	TEMPERED PATTERNED GLASS
TBG	TEMPERED BENT GLASS
TBP	TEMPERED BENT PATTERNED GLASS
LTG	LAMINATED TRANSPARENT GLASS
LSP	LAMINATED SPECIALTY PRODUCTS
OCG	ORGANIC COATED GLASS
OCH	ORGANIC COATED GLASS HYBRID
SPS	SAFETY PLASTIC SHEET
VIGT	VACUUM INSULATING GLASS TEMPERED
VIGL	VACUUM INSULATING GLASS LAMINATED
VITL	VACUUM INSULATING GLASS TEMPERED LAMINATED
CSSG	CHEMICALLY STRENGTHENED SAFETY GLASS

Pattern Glass Attribute Codes

(s)	SHALLOW PATTERN
(m)	MEDIUM PATTERN
(d)	DEEP PATTERN

Miscellaneous Codes

(IN)	INACTIVE (Products bearing this designation have executed a Test Release Bond waiving testing for this certification period due to inactive production)
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Glass Standard Attribute Codes

U	UNLIMITED SIZE CATEGORY
A	ANSI STANDARD - DROP HEIGHT CLASS - 48 INCH DROP
B	ANSI STANDARD - DROP HEIGHT CLASS - 18 INCH DROP
(2)	CONFORMS TO EN 572-7 THICKNESS TOLERANCES FOR BENT/CHANNEL GLASS
(3)	CONFORMS TO EN 572-2 THICKNESS TOLERANCES FOR TEMPERED GLASS
(4)	CONFORMS TO EN 12150 THICKNESS TOLERANCES FOR TEMPERED GLASS
(5)	CONFORMS TO EN 572-5 THICKNESS TOLERANCES FOR PATTERNED GLASS
(6)	INDOOR USE ONLY
(7)	CONFORMS TO JIS 3202:2011 THICKNESS TOLERANCES FOR TEMPERED GLASS
(c1)	CPSC CAT 1 ONLY
(*)	INDICATES EN STANDARD THICKNESS TOLERANCE

Laminated Glass Attribute Codes

(S)	STANDARD THICKNESS CLASS FOR LAMINATED GLASS
(H)	HEAVY THICKNESS CLASS FOR LAMINATED GLASS
(A)	ANNEALED
(HS)	HEAT STRENGTHENED
(T)	TEMPERED
(CS)	CHEMICALLY STRENGTHENED
(b)	POLY VINYL BUTRAL INTERLAYER
(el)	EPOXY LIQUID CRYSTAL POLYMER
(ip)	IONOMER
(lc)	LIQUID RESIN - MULTI COMPONENT
(lu)	LIQUID RESIN - UV CURE
(p)	POLYETHYLENE TEREPHTHALATE
(f)	FLUORINATED ETHYLENE PROPYLENE INTERLAYER
(u)	POLYURETHANE
(ev)	ETHYLENE-VINYL ACETATE

Classified Tempered Glass Patterns Key (SD-100)

S (Shallow)

M (Medium)

D (Deep)

X (Pattern available but pattern depth not yet classified.)

*Indicates EN Standard Thickness Tolerance

Pattern Name	Manufacturer	Thickness & Pattern Depth											
		inches	1/8	5/32	3/16	n/a	7/32	1/4	n/a	5/16	3/8	1/2	5/8
	mm	3	4	5	0.21	5.5	6	7	8	10	12	16	19
Abstracto	Saint Gobain		D										
Altdeutsch F	Saint Gobain		S										
Altdeutsch K	Saint Gobain		S										
Antique	Saint Gobain		S										
Aqua	AGC	S	S	S			S						
Aqualite	Qingdao Jing Jing						S						
Aquatex	AGC	S	S	S	S	S	S						
Aqui	AGC	S	S	S			S			S			
Arctic*	Pilkington		D										
Arena C/SR Arena	Saint Gobain	S	S	S			S						
Austral*	Pilkington		D										
Autumn	Saint Gobain						S						
Autumn*	Pilkington		M				X						
Bamboo	AGC			D									
Bamboo	Guardian									S			
Bamboo	Shixing			M			S						
Bubble	Guardian	S	S	S		S	S			S			
Cascade	AGC				S	S							
Cast	Saint Gobain									S			
Chantilly*	Pilkington		S										
Charcoal Sticks*	Pilkington		S										
Chinchilla	AGC			S	S	S							
Citrus	AGC	S	S	S									
Contora*	Pilkington		S										
Cotswold*	Pilkington		M				X						
Cross Reeded	AGC		D				M						
Delta	AGC		D				M						
Digital*	Pilkington												
Esto	Guardian						M			M	M		
Estriado/SR Estr	Saint Gobain		M				M						
Etre	Guardian		S				S			S	S		
Everglade*	Pilkington		M				X						
Flax	AGC	M	M, S	S	S	S							
Flemish*	Pilkington		S				M						
Floralite	Guardian		M										
Florex	AGC	M	M										
Florielle*	Pilkington		S										
Flutes	AGC		M	D			D						
Flutex	AGC			D						M			
Glacier	AGC	M	M	D			D			M			
Gluechip	Guardian	M	M	M		M	M			S			
Ground Glass	AGC	S	S	S			S						
Hammered	AGC	S	S	S			S						
Illusions	AGC	S	S	S			S						
Ima	Guardian						M			M	M		
Industrex	AGC	S	S	S	S	S	S						
Kathedral Klein	AGC	S	S	S			S						
Kathedral Max	Saint Gobain		S	S				S					
Kathedral Min	Saint Gobain		S										
Konfeta	AGC		M										
Krystal Flutes	AGC			D									
Krystal Illusions	AGC	S	S	S			S						
Krystal Industrex	AGC	S	S	S			S			S			
Krystal Serenity	AGC	S	S	S			S						
Krystal Storm	AGC		S	S			S			S			
Laliva weiss	Saint Gobain		S										
Leaf	AGC	M											
Listral A	Saint Gobain		S										

Pattern Name	Manufacturer	Thickness & Pattern Depth												
		inches	1/8	5/32	3/16	n/a	7/32	1/4	n/a	5/16	3/8	1/2	5/8	3/4
		mm	3	4	5	0.21	5.5	6	7	8	10	12	16	19
Listral D	Saint Gobain		M											
Listral F	Saint Gobain		M											
Listral K	Saint Gobain		S											
Listral M	Saint Gobain		D											
Lozenge	Pilkington			D										
Madera	Saint Gobain		D											
Maris	Saint Gobain		M											
Master-Carre	Saint Gobain		M											
Master-Carre	Saint Gobain		M				M		M	M				
Master-Lens w	Saint Gobain		D				D		D					
Master-Ligne	Saint Gobain		M				M		M					
Master-Point	Saint Gobain		M				M		M					
Master-Ray	Saint Gobain		D				D		D					
Master-Shine	Saint Gobain		M				M		M	M				
Mayflower*	Pilkington		S											
Minster*	Pilkington		S											
Mistlite	Jinjing		S	S			S							
Monumental M	Saint Gobain		D											
Monumental S	Saint Gobain		M											
Morisco*	Pilkington		M											
Niagara	Guardian	M	M	M		M	M			S	M			
Oak*	Pilkington		S											
Optica	Saint Gobain		M											
P-516	Guardian	S	S	S	S	S	S			S	S			
Pattern 62	AGC	S	S	S	S	S								
Pattern 73	AGC	M	M											
Pebbles	AGC		M				M							
Pelrine*	Pilkington		S											
Pinhead	Taiwan Glass	S		S						S				
Pixels	AGC		M											
Rain	AGC	M	M	M			S		S	S				
Rattan*	Pilkington	M												
Rayado*	Pilkington			S										
Reed	Saint Gobain						M							
Reeded*	Pilkington		D	M			M							
Sahara	Saint Gobain		S											
Sateen	Skyline Design		S				S		S	S	S	S	S	
Seashell	AGC			M		M								
Serenity	AGC	S	S	S			S							
Silvit	Saint Gobain		D						D	D				
Skytex	AGC				S									
Solatex	AGC	S	S	S										
Solite	AGC	S	S	S										
Sparkel*	Pilkington		D											
Spotlyte	Saint Gobain		D											
Spraylite	Guardian	S	S	S	S	S	S			S				
SR Listral L	Saint Gobain						S		S	S				
Stippolite*	Pilkington		S				X			X				
Storm	AGC		S	S			S			S				
Sunadex	AGC			S										
Sycamore*	Pilkington		S				X							
Taffeta*	Pilkington		S											
Tetra	Guardian		M											
Textured Flutex	AGC			D			D			M				
Thela	Saint Gobain		S				S	S						
Velvex	AGC	S	S	S	S	S								
Vison	Saint Gobain		S				S		S					
Warwick*	Pilkington		S											
Waterdrop	Saint Gobain		M											
Yacare*	Pilkington		M											
Zefiro Weiss	Saint Gobain		M											

SGCC LIST OF ACCEPTED INTERLAYERS (SD-99)

In order for a laminated glass product to become or remain SGCC Certified, the interlayer used by the manufacturer must be on this list. All interlayers must have weathering test data on file. Outdoor use may be tested to ANSI Z97.1-2009 or 2015 and Indoor use only must be tested to ANSI Z97.1-2015 weathering data.

L.1 Certification to one brand within the generic category will allow switching to other brands within the generic category on the list (see Laminated Glass Equivalency - Table L1 for guidance with Change Categories, Equivalent/Not Equivalent Changes in accepted interlayers).

All interlayers must have weathering test data on file. Outdoor use may be tested to ANSI Z97.1-2009 or 2015 and Indoor use only must be tested to ANSI Z97.1-2015 weathering data.

All Indoor use only products must submit Indoor Use Only Weathering requirements to ANSI Z97.1-2015 by 12/31/2016 to maintain approval on this list. Interlayer suppliers not providing weathering data to SGCC by 12/31/16, will no longer be available for manufacturers to use in SGCC certified products. (7/1/16)

Generic Code & Description					
(b) Poly Vinyl Butral	(lu) Liquid Resin - UV Cure	(f) Fluorinated Ethylene Propylene	(lc) Liquid Resin-Multi Component	(p) Polyethylene Terephthalate	(ev) Ethylene-Vinyl Acetate
(ip) Ionoplast	(el) Epoxy-Liquid Crystal Polymer	(u) Polyurethane	(su) Solid resin UV cure		
Generic Code	Description	Supplier	Interlayer Brand	Interlayer Formulations	Weathering Data on file
(b)	Poly Vinyl Butral	Eastman Chemical Company	Saflex IIIIG/Vanceva	Series A, C, D, F, H, M, N, P, R, S, W	✓
		Eastman Chemical Company	Saflex Specialty	Saflex Q, AG, DB/DS	✓
		Eastman Chemical Company	Saflex Composite	Saflex V, K series	✓
		Kuraray	Trosifol SentryGlas Expressions		✓
		Kuraray	Trosifol (formerly Butacite B50-B56)	Clear (B500)	✓
		Kuraray	Trosifol (formerly BG)	Clear/Ultra Clear (B200)	✓
		Kuraray	Trosifol (formerly ES)	Extra Stiff (B130)	✓
		Kuraray	Trosifol (formerly SC)	SC Monolayer (B100)	✓
		Kuraray	Trosifol (formerly XT90)	XT (B140)	✓
		Kuraray	Trosifol	Solar R40 (B900)	✓
		Kuraray	Trosifol	HR100 (B170)	✓
		Chang Chun	Winlite	(0.015)	✓
		Sekisui S-Lec	Sekisui S-LEC Film & Sekisui S-LEC Acoustic Film	(0.030)	✓
		Everlam S.A.	EVERLAM™	NC 010, LAM52 (0.015)	✓
		Everlam N.V.	EVERLAM™ SUPER TOUGH	LAM72T	✓
		Kingboard (FO Gang) Specialty Resins Ltd.	Kingboard	(0.015)	✓
		Anhui Wanwei Bisheng Co., Ltd.	Bisn©	(0.030)	✓
Zhejiang Decent New Material Co., Ltd.	Architectural PVB	(0.030)	✓		
(u)	Polyurethane	SWM International	ArgoBond®	ST-6050 (0.050)	✓
(ip)	Ionoplast	Kuraray	Trosifol SentryGlas®	(0.035)	✓
		Kuraray	Trosifol SentryGlas® Xtra™	(0.035)	✓
(lu)	Liquid Resin - UV Cure	Bestroom Co. Ltd.	UVLAM	(0.040)	✓
		H.B. Fuller- Kommerling	Kodilan GS-LED	(.040)	✓
		ALLNEX	UVEKOL	(0.040)	✓
(ev)	Ethylene-Vinyl Acetate	Interlayer Solutions, inc.	EVALAYER	(0.015)	✓
		Folienwerk Wolfen GmbH	Evguard® - UV380, Polar White, Milky White	(0.015)	✓
		Hornos Industriales Pujol, S.A.	EVALAM Crystal	(0.015)	✓
		Hornos Industriales Pujol, S.A.	EVALAM Visual	(0.015)	✓
		RCN Solution SRL	REVA BF	(0.015)	✓
		IGE Supply Solutions, Inc.	SHENZHEN OSTER FILM - ASQ1X Extra Clear EVA Film	(0.015)	✓
		SWM International	ArgoBond®	SE-381TF (0.030)	✓
		Satinal SPA	Strato	(0.015)	✓
		Shanghai HIUV New Materials Co., Ltd.	HIUV-PVE	(0.015)	✓

SGCC LIST OF ACCEPTED INTERLAYERS (SD-99)

In order for a laminated glass product to become or remain SGCC Certified, the interlayer used by the manufacturer must be on this list. All interlayers must have weathering test data on file. Outdoor use may be tested to ANSI Z97.1-2009 or 2015 and Indoor use only must be tested to ANSI Z97.1-2015 weathering data.

L.1 Certification to one brand within the generic category will allow switching to other brands within the generic category on the list (see Laminated Glass Equivalency - Table L1 for guidance with Change Categories, Equivalent/Not Equivalent Changes in accepted interlayers).

All interlayers must have weathering test data on file. Outdoor use may be tested to ANSI Z97.1-2009 or 2015 and Indoor use only must be tested to ANSI Z97.1-2015 weathering data.

All Indoor use only products must submit Indoor Use Only Weathering requirements to ANSI Z97.1-2015 by 12/31/2016 to maintain approval on this list. Interlayer suppliers not providing weathering data to SGCC by 12/31/16, will no longer be available for manufacturers to use in SGCC certified products. (7/1/16)

Generic Code & Description					
(b) Poly Vinyl Butral	(lu) Liquid Resin - UV Cure	(f) Fluorinated Ethylene Propylene	(lc) Liquid Resin-Multi Component	(p) Polyethylene Terephthalate	(ev) Ethylene-Vinyl Acetate
(ip) Ionoplast	(el) Epoxy-Liquid Crystal Polymer	(u) Polyurethane	(su) Solid resin UV cure		
Generic Code	Description	Supplier	Interlayer Brand	Interlayer Formulations	Weathering Data on file
(ev)(p)	Ethylene-Vinyl Acetate / Polyethylene Terephthalate	Folienwerk Wolfen GmbH	Evguard®+ MPE	(.015)(.008)(.015)	✓
(el)(p)	Epoxy-Liquid Crystal Polymer / Polyethylene Terephthalate	Polytronix, Inc.	Polyvision Film	(0.075)	✓
(su)	Solid resin UV cure	Seeory Materials Corp	Seeory Interlayer	(0.030)	✓

**SGCC® APPROVED TESTING LABORATORIES APPROVED FOR TESTING IN
THE ANSI AND CAN/CGSB CERTIFICATION PROGRAMS (SD-101)**

The ID of the Laboratory used for testing of each product is provided in the Certified Products "By Product Type" of this Certified Products Directory. **Please note:** For initial certification of prototype samples, the manufacturer pays the laboratory directly for testing and must contact the laboratory for prototype testing fees.

California	Iowa
<p>125 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 2524 East Jensen Ave.; Fresno, CA 93706 Attn: Kenny White, Mr. Tyler Westerling, Ms. Marisela Saavedra, Ms. Shannon Stein Phone: (559) 233-8705 Fax: (559) 233-8360 Email: kenny.white@intertek.com, Tyler.Westerling@Intertek.com, Marisela.Saavedra@Intertek.com, Shannon.Stein@Intertek.com</p>	<p>500 - Element Materials Technology Des Moines Element Materials Technology Des Moines, 3922 Delaware Avenue; Des Moines, IA 50313 Attn: Mr. Nathan Mracek, Adam Scarlett, Brian Escherich Phone: (515) 266-5101 Fax: (505) 262-1910 Email: nathan.mracek@element.com, adam.scarlett@element.com, brian.escherich@element.com</p>
<p>250 - Construction Consulting Laboratory Inc. Construction Consulting Laboratory Inc., Western Division, 4751 W State St Ste B; Ontario, CA 91762 Attn: Mr. Jack Jackson, Mr. Chad Jackson, Ms. Cheyenne Jackson Phone: (909) 591-1789 Fax: 9096279020 Email: Jack@ccl-west.com, chad@ccl-west.com, cheyenne@ccl-west.com</p>	<p>150 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 40 51st Way NE Suite 100; Fridley, MN Attn: Mr. Lukas Bayer, Mr. Dan Johnson, Ms. Wendy Allison Phone: (651) 636-3835 Fax: (651) 636-3843 Email: lukas.bayer@intertek.com, dan.johnson@intertek.com, wendy.rusinyak@intertek.com</p>
Florida	Minnesota
<p>285 - QAI Laboratories, Inc. QAI Laboratories, Inc., 8148 NW 74th Avenue; Medley, FL 33166 Attn: Jose Sanchez Phone: 1-305-885-3328 Fax: 1-305-885-3329 Email: jsanchez@qai.org</p>	<p>400 - Intertek Intertek, 75 Clinton Avenue; Cortland, NY Attn: Mr. Russell Mantey, Mr Sean McKelvey, Mr. Matthew Small, James Diescher Phone: (607) 758-6673 Fax: (607) 758-6666 Email: russell.mantey@intertek.com, sean.mckelvey@intertek.com, matthew.small@intertek.com, james.diescher@intertek.com</p>
<p>850 - PRI Construction Materials Technologies PRI Construction Materials Technologies, 6412 Badger Dr; Tampa, FL Attn: Mr. Brad Grzybowski, Tim Efaw Phone: 813-621-5777 Fax: 813-621-5840 Email: brad.grzybowski@pri-group.com, tim.efaw@pri-group.com</p>	New York
<p>165 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 1701 Westfork Dr., Suite 106; Lithia Springs, GA 30122 Attn: Mr. Brock, Austin Viness, Mr. James Blakely, Ms. Andrea Torrey Phone: (770) 941-6916 Fax: (770) 941-2930 Email: austin.viness@intertek.com, james.blakely@intertek.com, andrea.torrey@intertek.com</p>	<p>200 - Bowser-Morner Inc. Bowser-Morner Inc., 4518 Taylorsville Rd; Dayton, OH Attn: Vicki Appora Phone: (937) 236-8805 Fax: 9372379947 Email: vappora@bowser-morner.com</p>
Georgia	Ohio
<p>100 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 130 Derry Court; York, PA 17402-9405 Attn: Mr. Todd Wilt, Mr. Thomas Mickley Phone: (717) 764-7700 Fax: (717) 764-4129 Email: todd.wilt@intertek.com, tom.mickley@intertek.com</p>	Pennsylvania

**SGCC® APPROVED TESTING LABORATORIES APPROVED FOR TESTING IN
THE ANSI AND CAN/CGSB CERTIFICATION PROGRAMS (SD-101)**

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Pennsylvania	Washington
<p>103 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 1140 Lincoln Ave; Springdale, PA 15144 Attn: Mr. Steve Shank, Mr. Jim Grippo, Mr. Mike Matovcik, Ms Sandy DiCaro Phone: 724-275-7100 Fax: 724-275-7102 Email: Stephen.Shank@Intertek.com, jim.grippo@intertek.com, michael.matovcik@intertek.com, Sandra.DiCaro@Intertek.com</p>	<p>750 - National Certified Testing Labs (NCTL) NW - WA National Certified Testing Labs (NCTL) NW - WA, 3310 Hill Avenue; Everett, WA Attn: Amy Becker, Mr. Serge Paquet, Trent Masukawa Phone: (425) 259-6799 Fax: (425) 259-4936 Email: abecker@nctlinc.com, spaquet@nctlinc.com, tmasukawa@nctlinc.com</p>
	Canada
	Quebec
<p>800 - National Certified Testing Labs (NCTL) National Certified Testing Labs (NCTL), 5 Leigh Drive; York, PA Attn: Mr. Justin Bupp, Drew Klinedinst Phone: (717) 846-1200 Fax: (717) 846-1200 Email: jbupp@nctlinc.com, DKlinedinst@nctlinc.com</p>	<p>450 - Intertek Intertek, 1829 32nd Avenue; Lachine, QC Attn: Mr. Kal Kooner, Mr. Claude Pelland, Mr. Sergiu Toaca Phone: (514) 631-3100 Fax: Email: Kal.kooner@intertek.com, Claude.pelland@intertek.com, sergiu.toaca@intertek.com</p>
	Canada
	British Columbia
<p>911 - Molimo, LLC. Molimo, LLC., 1410 Eden Road; York, PA 17402 Attn: Mr. Lance Cunningham, Mr. Michael Stremmel, Mr. Steve Eveler Phone: 717-916-6300 Fax: 717-318-5788 Email: lcunningham@molimo.net, mstremmel@molimo.net, seveler@molimo.net</p>	<p>950 - Intertek Intertek, 1500 Brigantine Dr. ; Coquitlam, BC Attn: Baldeep Sandhu, Mr. Chris Chang Phone: 604-520-3321 Fax: Email: baldeep.sandhu@intertek.com, chris.e.chang@intertek.com</p>
Texas	
<p>175 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 1909 10th Street, Suite 100; Plano, TX 75074-8009 Attn: Cassandra Matthews, Mr. Fred Munoz Phone: (469) 814-0687 Fax: Email: cassandra.matthews@intertek.com, lucio.munoz@intertek.com</p>	
Washington	
<p>195 - Architectural Testing Inc. (an Intertek Company) Architectural Testing Inc. (an Intertek Company), 22155 68th Ave. South; Kent, WA 98032-1937 Attn: Ms. Jennifer Levins, Mrs. Patricia Cain Phone: (253) 395-5656 Fax: (253) 395-5657 Email: jennifer.levins@intertek.com, patricia.cain@intertek.com</p>	