



safety glazing certification council

P.O. BOX 730

SACKETS HARBOR, N. Y. 13685

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**MINUTES OF EIGHTY-SEVENTH
MEETING OF THE
CERTIFICATION COMMITTEE
OCTOBER 1 and 2, 2014
HOTEL INDIGO
NASHVILLE, TN**

		Date and Votes Present	
		<u>10/1/14</u>	<u>10/2/14</u>
<u>Members and Alternates Present</u>			
AGC Fab.	Mark Cody	1	1
AGC Industries	Mark Cody	1	1
Cardinal Glass	Bernie Herron	1	1
Consolidated Glass	Shane Merryman	1	1
Guardian Fabrication Inc.	Kevin Olah	1	1
Guardian Industries Corp.	Kevin Olah	1	1
Nashville Tempered Glass	Richard Paschel	1	1
Oldcastle Building Envelope	Rick Wright	1	1
Oldcastle Building Envelope	Cliff Monroe	Present	Present
Sage	Helen Saunders	1	1
Trulite	Jeff Haberer	1	1
Viracon	Brian Louks	1	1
<u>Members by Virtue of Being a Director</u>			
Public Interest	Patrick Loughran	1	1
Public Interest	Bill Nugent	1	1
Public Interest	Elaine Rodman	1	1
Public Interest	Peter Weismantle	1	1
Public Interest	June Willcott	1	1
		<hr/>	<hr/>
Votes		16	16
<u>Guests</u>			
Eastman	Julia Schimmelpenningh	Absent	Present
GANA	Urmilla Sowell	Absent	Present
<u>Legal Counsel</u>			
Schiff, Hardin LLP	William M. Hannay	Present	Present
<u>Administrative Staff</u>			
AMS, Inc.	John Kent	Present	Present
AMS, Inc.	Brandy Redder	Present	Present
		<hr/>	<hr/>
Persons Present		18	20

- 10.1.14.1 The meeting was called to order at 1:10pm by Chairman Mark Cody and a quorum declared. All present introduced themselves.
- 10.1.14.2 A presentation was provided by Helen Sanders of Sage entitled "Electrochromic Glass". Upon completion, time was allowed for questions. All thanked Ms. Saunders.
- 10.1.14.3 The minutes of the September 16 and 17th, 2013 meeting were reviewed. A motion was made by Monroe/Willcott to approve the minutes as submitted.

Vote: Unanimous Affirmative
Motion Passed

10.1.14.4 **Legal Counsel's Report – W. Hannay - (See attachment #1).**

- A. SGCC Anti-Trust Guidelines were distributed to the group and read out loud
- B. SGCC, a corporation incorporated under the Illinois General Not for Profit Corporation Act, is in good legal standing in the State of Illinois with no pending or threatened litigation.

10.1.14.5 **Committee Structure - (See Attachment #2)**

10.1.14.6 **Board of Directors' Report – P. Weismantle**

- A. There will be a participants meeting after this meeting where the nominating committee intends to present Richard Paschel and Rick Wright to replace Kevin Olah and Brian Loukes on the Board.
- B. SGCC has been a member of GICC for approximately 2 years. Apparently GICC membership requirements changed some time in 2014 and SGCC will evaluate if it is still appropriate for SGCC to maintain GICC members.
- C. In concept, the Board agreed to move forward with ANSI accreditation to ISO 17065 with SGCC serving as the Certification Body (CB). The Administrator will review cost and implications.
- D. The SGCC procedural guide had reference to SGCC visits being "unannounced". There are situations when this can not occur and this wording has been removed.
- E. The procedure for "Challenging a Certified Product" was reviewed and felt to be ambiguous. The Board agreed to delete this wording until alternate wording could be adopted.

10.1.14.7 **Financial Report – E. Rodman - (See Attachment #3)**

10.1.14.8 **Administrator's Report – J. Kent - (See Attachment #4)**

10.1.14.9 **Quick Action Sub-committee Report (See Attachment #5)**

Hearing no objection, the actions of the Quick Action Sub-committee were accepted.

10.1.14.10 **Testing Laboratory Status -**

- A. **(See Attachment #6)** The status of SGCC Approved Testing Laboratories was reviewed. 2 new laboratories have shown interest in approval but it was agreed to hold off on a vote

of approval pending receipt of all information, including completion of physical audit. The Quick Action Committee could then be asked to vote.

- B. Several situations have occurred where the SGCC participant, due to lab error, was not afforded an opportunity to evaluate a test sample failure. To address concerns, the following edits were made to Lab Manual guideline G.27:

“Instruction G.27 (Added 10/18/07 to replace T.4 and L.7)

For all testing, the following steps shall be taken to provide the SGCC participant opportunity to evaluate the nature of test results. For all tempered products the ten largest particles from each test specimen must be kept for a period of (30) thirty days from report date. A digital photo or shadowgraph with ruler shall also be maintained on file. For all laminated or organic coated product tested, digital photos shall be taken of the sample in the frame and representative pieces (minimum 12 X 12 –inch) of the sample must be kept for (30) days from report date. Disposal of samples may occur sooner with written permission from SGCC after SGCC has received written permission from the SGCC participant.”

A motion was made by Paschel/Monroe to approve the above guideline as edited and to agree in concept that when an error occurs thus not affording the SGCC participant opportunity to evaluate the results of test, a replacement test shall be allowed at lab expense.

Vote: Unanimous Affirmative
Motion Passed

- C. **(See Attachment #7)** Revisions to the SGCC Laboratory Agreement were reviewed and edits made. The Attachment includes these edits. After discussion a motion was made by Paschel/Rodman to accept revisions as noted.

Vote: Unanimous Affirmative
Motion Passed

10.1.14.11 **Program Testing Results Review - (See Attachment #8)**

Although no specific conclusions were drawn, the data was reviewed and its value recognized for consideration in future discussion.

10.1.14.12 **CPSC – (See Attachment #9)**

10.1.14.13 **ANSI Z97.1 (See Attachment #10)**

SGCC previously agreed to request a research proposal for the redesign of the Z97 impactor. This proposal was reviewed at the meeting and the following decision was made:

1. Wait until ANSI Z97.1-2014/15 is completed
2. Wait until CPSC petition to accept ANSI Z97.1 is done
3. This is an ANSI Z97.1 issue and Z97.1 should approach SGCC if funding is requested

10.1.14.14 **Canadian Certification – (See Attachment #11)**

10.1.14.15 The meeting was adjourned for the day at 4:55pm by Chairman Mark Cody.

10.2.14.1 The meeting was called to order at 8:00am by Chairman Mark Cody and a quorum declared.

10.2.14.2 **List of Patterned Glass – (See Attachment #12)**

A list of “Classified Tempered Glass Patterns” has been maintained in the SGCC CPD since the programs inception. The purpose of this list is to identify pattern depth classification (shallow, medium, deep) for a given pattern and thickness. Since the last meeting the list has been reformatted and circulated to several pattern glass producers for comment and update. The list is available in the CPD and Website and will be updated to include the thickness tolerance standard applicable for each pattern (i.e. US or European).

10.2.14.3 **Laminated Glass Specialty Configurations –**

- A. SGCC earlier agreed to develop more specific definition between LTG and LSP products (see minute 9.17.13.5). After review a motion was made Willcott/Heron to accept the following revisions to Guideline L.5

Guideline L.5 - Laminated safety glass shall be identified by type of base glass, per guideline L.8, and certified in 1 of 3 product type codes (A, HS, T). In consideration of guideline L.1, Laminated Transparent Glass (LTG) is defined as 2 or more lites of glass with the same family of polymer (interlayer(s)) between the lites. Laminated Patterned Glass (LPG) shall be defined the same as LTG except that at least one lite shall be patterned glass. Laminated Specialty Product (LSP) shall be defined as 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 LSP, changes in material of plies or insert and changes in thickness of insert shall require separate certification. Changes in coatings, color or decorative pattern shall be included in the same certification. (Revised 10/2/2014)

Vote: Unanimous Affirmative
Motion Passed

- B. SGCC was asked to review if it might be acceptable to only impact a non-symmetrical laminate from the outward facing surface when that laminate is used in an IG unit. After discussion it was agreed that this was not an SGCC issue but rather an issue for ANSI Z97.

10.2.14.4 **Tempered and Laminated Safety Vacuum Insulating Glass (VIG) – (See Attachment #13)**

SGCC had earlier DRAFTED a Q and A sheet regarding methods of testing a safety VIG unit. After discussion the group agreed that this issue was an ANSI Z97.1 committee issue and not an issue for SGCC. SGCC would not be able to certify a VIG until ANSI clarified test practices.

10.2.14.5 **Post Tempering Fabrication**

Revisions to Guideline T.7 were considered but hearing no motion the issue was tables.

10.2.14.6 **How is Compliance Assured (See Attachment #14)**

- A. A motion was made Monroe/Rodman to remove paragraph b), c), d) of guideline G.11.

Vote: Unanimous Affirmative
Motion Passed

- B. The Administrator was directed to clarify the wording of the CPD section “How is Compliance Assured”. Subsequent to the meeting the following wording was developed:

HOW IS COMPLIANCE ASSURED

Any certified product determined, in the course of routine sampling and evaluation, not in compliance with the applicable 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.

10.2.14.7 **Old Business**

NONE

10.2.14.8 **New Business**

NONE

10.2.14.9 **Next Meeting**

The next SGCC Certification Committee meeting is tentatively scheduled for November 3 and 4, 2015 in Charleston, SC.

10.2.14.10 The meeting was adjourned by the chair at 12:00 pm.

SGCC ANTITRUST COMPLIANCE GUIDELINES

A. It is the policy of SGCC to comply fully with the antitrust laws applicable to trade association activities.

B. In furtherance of this policy, all SGCC meetings are attended by SGCC legal counsel, and the SGCC's officers, directors, and Administrator periodically consult with SGCC legal counsel.

C. Each participant in SGCC activities has a responsibility to avoid any improper conduct from an antitrust standpoint. The following guidelines will assist in meeting this responsibility.

1. SGCC meetings are held solely to manage and operate SGCC and its certification program, in accordance with SGCC's corporate purposes, the SGCC Bylaws, and the Certified Products Directory.

2. No participant in SGCC activities, including the certification program and standards development efforts (such as ANSI Z97.1), should attempt to misuse his or her position within SGCC to gain an unfair competitive advantage on behalf of his or her company.

3. To avoid antitrust problems (either civil or criminal), the following legally-sensitive subjects should not be discussed by competitors at or during SGCC meetings:

- a. Future marketing plans of specific competitors;

- b. Any complaints or business plans relating to specific customers, suppliers, geographic markets or products;

- c. Agreements between competitors to allocate markets, customers or products;

- d. Agreements between competitors to refuse to deal with a supplier or a customer;

- e. Purchasing plans or bidding plans (except privately between two parties with a vertical commercial relationship such as supplier and customer); or

- f. Current or future price information and pricing plans, bidding plans, refund or rebate plans, discount plans, credit plans, specific product costs, profit margin information or terms of sale.

Any question regarding the legality of a discussion topic or business practice should be brought to the attention of SGCC legal counsel* or your company's individual legal counsel.

April 2010

* William M. Hannay, Schiff Hardin LLP, 7200 Sears Tower, Chicago, IL 60606; (312) 258-5617; (312) 258-5700 (fax); e-mail: whannay@schiffhardin.com.



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SGCC Committee Structure (as of 10/1/2014)

SGCC Board of Directors		President: Peter Weismantle
Scope: The overall affairs of the Council shall be managed by its Board of Directors.		
Members		
<u>Public Interest</u>		<u>Business Community</u>
Peter Weismantle – President		Brian Louks – Vice President (Rick Wright)
June Willcott - Secretary		Carl Carmen
Elaine Rodman - Treasurer		Kevin Olah (Richard Paschel)
William Nugent		Bernie Herron
Patrick Loughran		Mark Cody

Sub Committee: Certification Committee	Chair: Mark Cody
Scope: It shall be the duty of this Committee to formulate, review, administer and apply a certification program for the Council.	
Members	
All Licensees and Board Members	

Sub Committee: Quick Action	Chair: Mark Cody
Scope: Between meetings resolution of any issue, appeal or request for review that can not be dealt with by the administrator, or is beyond the guidance provided to the Administrator or for which the Administrator has rendered a decision that is not acceptable by the applicant.	
Members	
SGCC President	Peter Weismantle
Certification Committee Chair	Mark Cody
Public Interest	June Willcott

Sub Committee: Nominating	Chair: Richard Paschel	Public Interest Member: Peter Weismantle
Scope: The Nominating sub committee is a subcommittee of the Board and appointed by the President to research and present a slate of SGCC Board nominees and officers for the annual SGCC participants meeting.		

Sub Committee: Time, Place and Marketing	Chair: Elaine Rodman
Scope: Canvas for scheduled meetings of glass and associated industry meetings; develop a list of possible locations and specific dates for future meetings for submittal to participants for vote. Maintain SGCC marketing plan.	
Members	
Rick Wright	

Sub Committee: Laboratory and QA Inspection		Chair: Kevin Olah
Scope: Address and resolve concerns related to the interrelationship between the laboratories, the administrator, and SGCC participants. Development and maintenance of the laboratory testing manual and program quality assurance requirements.		
Members		
Bernie Herron		Rick Wright
Mark Cody		



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Annual Financial Comparison Summary

Attachment C03

Revenues	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014
Administrative	\$478,848	\$491,427	\$534,680	\$526,949	\$537,804	\$573,698	\$526,839	\$632,317
Testing	\$576,784	\$794,936	\$819,085	\$673,050	\$849,675	\$989,037	\$1,003,728	\$952,625
Business Acct. income (Fee) (Full)	\$46,659	\$52,875	\$55,435	\$30,165	\$0	\$15,905	\$32,297	\$35,235
Impactor Bags	\$1,430	\$990	\$1,540	\$1,980	(none)	(none/half)	(half)	(half)
Test Labs Under Five	\$2,000	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0
Interest Income	\$18,629	\$28,077	\$26,591	\$15,440	\$14,685	\$5,490	\$8,740	\$3,527
Total Revenues	\$1,124,350	\$1,369,305	\$1,438,331	\$1,247,584	\$1,403,559	\$1,584,205	\$1,572,204	\$1,624,229
Test Fee Transfer	\$36,712	\$0	\$68,000	\$0	\$0	\$0	\$84,280	\$46,637
Total Revenue Discretionary	\$105,430	\$82,942	\$152,566	\$47,585	\$16,080	\$21,470	\$125,917	\$82,749

Expenses	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014
Administrative	\$478,848	\$491,427	\$534,680	\$526,949	\$537,804	\$573,698	\$526,839	\$632,317
Testing	\$540,072	\$794,935	\$751,085	\$673,050	\$849,675	\$989,037	\$919,448	\$905,988
Accounting	\$3,000	\$3,000	\$3,000	\$3,165	\$3,100	\$3,100	\$3,100	\$3,100
Legal	\$19,771	\$24,050	\$21,066	\$25,783	\$20,781	\$27,541	\$21,821	\$20,144
Meetings Exp	\$9,289	\$20,098	\$14,487	\$12,434	\$12,310	\$12,389	\$10,591	\$15,626
Miscellaneous	\$1000	\$0	\$0	\$3,913	\$3,420	\$167	\$0	\$0
Insurance	\$5,607	\$5,607	\$6,837	\$4,640	\$4,458	\$4,907	\$4,125	\$4,994
Web Page	\$1,400	\$1,400	\$1,639	\$1,250	\$5,512	\$0	\$0	\$5,000
Bank Charges	\$1,895	\$2,722	\$2,171	\$2,249	\$1,584	\$1,711	\$1,043	\$2,234
Marketing	\$10,000	\$10,000	\$12,430	\$149	\$1,004	\$0	\$0	\$616
Total Expenses	\$1,070,882	\$1,353,240	\$1,347,395	1,253,582	\$1,439,648	\$1,612,550	\$1,486,967	\$1,592,519
Change in Net Assets	\$53,468	\$16,065	\$90,936	(\$5,998)	(\$36,089)	(\$28,345)	\$85,237	\$31,710
Net Assets	\$220,878	\$236,943	\$327,879	\$321,881	\$285,792	\$257,447	\$342,684	\$374,395

Investments	Initial Date of Purchase and Interest Rate	Initial Purchase Value	Current Interest Rate	Date of Maturity	Comments	9/15/14	Plan of Action
#1 Key/Union Bank, N.A.	5/2013 .249%	\$230,000	Variable	5/9/18	5 year structured CD/3.05 quarterly cap - tied to S&P 500 Index	\$229,448	Maintain
#2 NBT (formerly Alliance)	5/2007 4.65%	\$80,000	.30%	7/1/15	12 month CD	\$230,826	Maintain
#3 Carthage Savings and Loan	3/2008 2.92%	\$100,000	.49%	6/24/15	12 month CD	\$231,473	Maintain
#4 First National Bank of Dryden	5/1997 5.05%	\$45,000	.70%	7/15/17	24 month CD interest added every 3 months	\$232,301	Maintain
#5 Community Bank NA	1/15/13 .25%	\$220,000	.25%	1/15/15	24 month CD	\$220,646	Maintain
#6 Watertown Savings Bank (Formerly Redwood)	11/23/04 2.65%	\$93,972	2.65%	11/23/12	48 month CD	X	Closed
#7 PNC Bank (formerly National City Bank)	8/2000 7.15%	\$90,000	.25%	12/17/12	12 month CD	X	Closed
#8 Bank of America (formerly MBNA Invest Serv)	12/2000 6.63%	\$45,000	.1%	12/11/12	12 month CD	X	Closed
Total of all Certificates of Deposits						\$1,144,694	

SGCC Banking Accounts		Balance
Account		
M&T Bank – Checking	\$170,726	
Watertown Savings Bank – Savings	\$114,336	

ADMINISTRATIVE REPORT

SGCC Fall Meeting
October 1-2, 2014 Nashville, TN

July 1, 2014 Certified Products Directory (CPD)

<i>Cut-off Date</i>	<i>Copies</i>	<i>Subscription List Mailing</i>
July 1, 2014	2368	2154

Certification ~~Removed~~ Since Publishing July 1, 2014 CPD

ANSI Program

None

CPSC Program

SGCC# 4937 – Changshu Zhouxing Glass Co.

Composite Program

SGCC# 4794 – Trulite Glass & Aluminum Solutions, Grenada, MS

Certification **Added Since Publishing July 1, 2014 CPD**

ANSI Program

None

CPSC Program

None

Composite Program

New Products Added to existing plants since July 1, 2014

Basco Engineered Products Hamilton, OH – SGCC# 5203
 Guardian Richburg, SC – SGCC# 2382
 JM Glass Hayward, CA – SGCC# 5271
 McGrory Glass Paulsboro, NJ –SGCC#s 4925, 4816, 4817, 4818, 4819, 4820, 5262, 5263

New Plants Added to program since July 1, 2014

Cardinal LG Northeast - Jessup, PA
 Clarity Glass Wholesalers - Houston, TX
 Dalian Huaying Glass Products – Dalian, China
 Qinhuangdao Jingxin Glass Co., Ltd. Hebei, China
 Shanghai Chung Glass, Shanghai China
 Tianjin Northglass Industrial Technical Co., Ltd. Tianjin, China

Notification of Manufacturer's Name Changes since July 1, 2014

Catalina Tempering has changed to Cardinal CT
 Traco (Three Rivers Alum) has changed to Kawneer (Cranberry) a division of Alcoa,
 Cranberry Township, PA

Administrative Activity

January 2014	Mailing of January 2014 Certified Products Directory
April 2014	Mailing of L14 Invoices
August 2014	Mailing of July 2014 Certified Products Directory
July 2014	Mailed out Meeting Notices

	L09 As of Oct	F10 As of April	2010 As of Oct	2011 As of Oct	2012 As of Oct	2013 As of Sept	2014 As of Sept
No. of Plants	252	241	245	256	262	275	297
% increase in Plants	+4%	-4%	+2%	+4%	+2%	+5%	+8%
Offshore Plants	50	43	50	50	57	59	68
% increase in Offshore Plants	9%	-14%	+16%	+/- 0%	+14%	+4%	+15%
No. of Licensees	154	150	152	160	168	178	198
Total Certified Products	1598	1531	1573	1651	1726	1789	1895
% increase in Certified Products	6%	-4%	+3%	+5%	+5%	+4%	+6%
ANSI Only	34	37	22	18	13	13	14
CPSC Only	20	7	18	18	18	17	5
COMPOSITE	1544	1487	1533	1615	1695	1392	1335
Plants COMP+CAN						43	75
Products COMP+CAN						367	541

Website Report – www.sgcc.org

SGCC	Total Visits (% change from prior yr)	Most Visited Section	2nd Most Visited	3rd Most Visited	Download of CPD	Other Top Downloads	Top Visiting Countries
June 2014	27,439 (+40%)	Certified Product Search	Certified Plants	Record of Compliance Testing	1,246	1) New ANSI Z97.1-2009 2) Meeting Minutes 3) Guidance for Certification of Laminated Glass	US China Canada
July 2014	31,023 (+50%)	Certified Product Search	Certified Plants	Record of Compliance Testing	689	1) New ANSI Z97.1-2009 2) Guidance for 3) Certification of Laminated Glass	US China Canada
Aug 2014	29,806 (+65%)	Certified Product Search	Certified Plants	Get Certified	922	1) New ANSI Z97.1-2009 2) Guidance for 3) Certification of Laminated Glass	US China Germany

History by month of previous year:

June 2013 19,576
July 2013 20,668
Aug 2013 18,104

Total visits history by year:

Year	Approx. Total Annual Visits
<i>2014 (to date)</i>	202,195
<i>2013</i>	241,067
<i>2012</i>	159,953

Sub Committee: Quick Action		Chair: Mark Cody
Scope: Between meetings resolution of any issue, appeal or request for review that can not be dealt with by the administrator, or is beyond the guidance provided to the Administrator or for which the Administrator has rendered a decision that is not acceptable by the applicant.		
Members		
SGCC President		Peter Weismantle
Certification Committee Chair		Mark Cody
Public Interest		June Willcott

Item #1 (Jan 2014)

Lab's Under 5

Summary

A testing facility with multiple locations had one facility with < 5 SGCC Licensee's selecting to use their services. After the lab's 2nd year of approval SGCC charged the lab the stated \$3,000. The lab made the case that, in total of all their test facilities, they averaged more than 5 plants per facility, and asked SGCC to waive the fee.

Information

Laboratory Agrees that initial approval by the SGCC Certification Committee is contingent upon an initial survey of Laboratory's test facilities by the SGCC. Laboratory agrees to pay the cost of the initial survey and inspection of the testing facilities. In order for a test facility to be considered for initial approval, a letter of interest or intent to use must be provided from 5 certified fabrication facilities. Ongoing laboratory approval is subject to approval by the SGCC Certification Committee and shall be for a period of two (2) years. During this period the laboratories facilities shall be re-surveyed and all issues arising from this survey resolved. A non-refundable fee of \$3000 annually for each facility shall be charged for SGCC Laboratory approval and surveys. This fee shall be waived under the following conditions:

1. During the first 2 calendar years of initial SGCC Lab approval
2. When 5 or more SGCC participating plants have selected the facility as their designated testing laboratory for that year.

Conclusion

The lab's request was rejected by the SGCC Quick action committee and the lab's approval was removed after they failed to pay the SGCC invoice.

Item #2 (June 2014)

Canadian Labeling Requirements

Summary

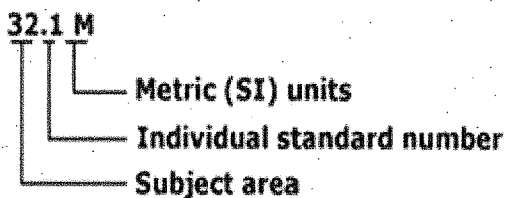
A licensee asked if the "M90" was required on SGCC labeled product that conforms to CAN/CGSB-12.1-M90

Information

Canadian Building code: No reference to labeling was found.

CAN/CGSB-12.1-M90

- 5.6 **Product Marking** — After having successfully met the requirements of this standard, like products of the same nominal thickness produced in the same manner as the specimens which conform, shall be legibly and permanently marked with the manufacturer's name and/or trademarks, and the characters "CAN/CGSB-12.1-M" if the product meets the requirements of the standard for both Categories I and II, or the characters "CAN/CGSB-12.1-M-1" to indicate the product meets the requirements of the standard for Category I only.



EXAMPLES OF LABELS CERTIFIED TO ALL THREE STANDARDS (CURRENT REQUIREMENTS)

ABC Glass – Plant A (optional)
16 CFR 1201 II
ANSI Z97.1-2009
CAN/CGSB 12.1-M90
1/4 U A SGCC 9999

Conclusion

Particularly in light of current CGSB standards development activity, the year designation "90" shall be required, but since the "M" designates "Metric, and all standards are required to be metric, the "M" shall not be required.

SGCC Testing Laboratory Status (as of 9/17/2014)

7. Laboratory Agrees that initial approval by the SGCC Certification Committee is contingent upon an initial survey of Laboratory's test facilities by the SGCC. Laboratory agrees to pay the cost of the initial survey and inspection of the testing facilities. In order for a test facility to be considered for initial approval, a letter of interest or intent to use must be provided from 5 certified fabrication facilities. Ongoing laboratory approval is subject to approval by the SGCC Certification Committee and shall be for a period of two (2) years. During this period the laboratories facilities shall be re-surveyed and all issues arising from this survey resolved. A non-refundable fee of \$3000 annually for each facility shall be charged for SGCC Laboratory approval and surveys. This fee shall be waived under the following conditions:

1. During the first 2 calendar years of initial SGCC Lab approval
2. When 5 or more SGCC participating plants have selected the facility as their designated testing laboratory for that year.

Company	Location	Date of Initial Approval	Date of Last Inspection	Approved by SGCC	Signed Agmt	# Plts	Lab fee
Architectural Testing Inc. (ATI now owned by Intertek)	St. Paul, MN	10/6/92	4/4/2014	9/16/13	10/14/09	18	
	York, PA	6/30/85	10/02/13	9/16/13	10/15/09	53	
	Fresno, CA	11/18/97	3/3/2014	9/16/13	10/08/09	26	
	Southlake, TX	7/1/04	10/18/13	9/16/13	10/14/09	31	
	Lithia Springs, GA	5/17/12	Tent 10/3/2014	9/16/13	5/17/12	20	
	Kent, WA	10/29/09	Tent 10/2014	9/16/13	10/06/09	8	
Bowser-Morner, Inc.	Dayton, OH	1991	11/26/13	9/16/13	10/01/09	13	
CAN-BEST	Brampton, ON			Request Approval			
Construction Consulting Laboratory West	Ontario, CA	11/19/97	9/26/13	9/16/13	9/29/09	16	
Fenestration Testing Laboratories	Medley, FL	10/2/97	5/8/14	9/16/13	10/1/09	46	
Intertek	Cortland, NY	1981	11/14/13	9/16/13	10/12/09	20	
	Montreal QC			Request Approval			
NCTL	Everett, WA	10/14/97	Tent 10/2014	9/16/13	10/15/09	17	
	York, PA	5/19/11	10/01/13	9/16/13	5/19/11	6	
Rone Engineers, Ltd.	Dallas, TX	3/31/00	10/18/13	9/16/13	10/01/09	7	
Element Materials Technology	Des Moines, IA	6/11/99	11/14/13	9/16/13	10/15/09	9	
Element Materials Technology	Wausau, WI	11/29/11	10/15/13	9/16/13	10/27/11	5	

SAFETY GLAZING CERTIFICATION COUNCIL, INC. (SGCC)

TESTING LABORATORY AGREEMENT

This Agreement is made this _____ day of _____, 20____, by and between SAFETY GLAZING CERTIFICATION COUNCIL, INC., an Illinois not-for-profit corporation having its administrative office at 100 West Main Street, PO Box 730, Sackets Harbor, New York 13685 (SGCC) and _____ ("laboratory"), incorporated in the State of _____ and having its principal office at _____ and its testing facility at _____.

WHEREAS, SGCC is sponsoring a quality certification program for safety glazing materials used in buildings and for all architectural purposes, which will provide for certification of such safety glazing materials by means of independent laboratory testing to the requirements of the SGCC program and the so designated nationally recognized standards for such safety glazing materials. ~~namely: American National Standard Z97.1 and/or CPSC 16 CFR 1201 (current versions);~~

WHEREAS, SGCC through its Administrator wishes to contract for services with independent laboratories ~~located in the United States~~ which meet the ethical, financial and business experience standards of the American Council of Independent Laboratories or the National Society of Professional Engineers for performance of tests;

WHEREAS, SGCC has appointed a "Certification Committee" comprised of representative of participants and the public interest members of the board of directors acting as ex officio members to formulate, review, administer and apply its certification program and to serve as liaison between SGCC, licensees and interested parties, including its laboratories;

WHEREAS, the Procedural Guide set forth in SGCC's Certified Products Directory published semi-annually shall be adhered to by SGCC, its licensees, and its laboratories;

WHEREAS, Laboratory is willing to participate in and support said program under the terms and conditions set forth in this Agreement;

THEREFORE it is hereby agreed by and between the parties hereto as follows:

Laboratory is approved for testing in the ~~ANSI, CPSC and Composite~~ certification programs conducted by SGCC so long as Laboratory performs its work in an acceptable manner and meets the following criteria:

1. Laboratory is an independent testing laboratory located in the United States or Canada with no affiliation or financial interest in any company manufacturing or distributing any portion of the products being tested in the SGCC certification program or any other program in which they may be a participant and has neither officers nor employees financially interested in, or employed by, any manufacturer, supplier or owner of the materials to be tested.
2. Shall maintain 3rd party accreditation to ISO/IEC Guide 17025 at all times by the Standards Council of Canada, A2LA or IAS for ISO/IEC Guide 17025. It should be noted that the above accrediting agencies have entered into a mutual recognition agreement (MRA) with ILAC. There are other signatories to this agreement, any of which shall be acceptable.
3. ~~Laboratory meets the ethical, financial and business experience standards of either the American Council of Independent Laboratories or the National Society of Professional Engineers. (already addressed on page 1)~~
3. Testing shall be done in accordance with SGCC guidelines and reviewed by a professional engineer and each test report shall bear his/her seal and signature.
4. Any and all tests are conducted strictly in accordance with the specifications, SGCC guidelines and instructions received from the SGCC Administrator. Laboratory agrees that its apparatus will be in full and complete compliance with the standards and specifications

utilized by SGCC and that technical competence and equipment shall be subject to review at any and all times by SGCC.

5. Will recognize that test records for the SGCC testing program, and related test data and test unit specimens (excluding prototype tests for the SGCC Program) are the property solely of SGCC and use, or disclosure in any form, or release of any such records or test data or test unit specimens to other than the Administrator must have the express written approval of the SGCC Administrator, which routinely shall be provided to allow dissemination and disclosure to a Licensee as to that Licensee's fabricated units. SGCC will not voluntarily disclose or disseminate any Licensee's SGCC program test reports or test data to any third party without that Licensee's express written consent.
6. Is being granted a limited and non-exclusive license by SGCC to use the federally registered SGCC trademark solely in connection with the official business of SGCC as directed by the SGCC Administrator.
7. Laboratory Agrees that initial approval by the SGCC Certification Committee is contingent upon an initial survey of Laboratory's test facilities by the SGCC. Laboratory agrees to pay the cost of the initial survey and inspection of the testing facilities. In order for a test facility to be considered for initial approval, a letter of interest or intent to use must be provided from 5 certified fabrication facilities. Ongoing laboratory approval is subject to approval by the SGCC Certification Committee and shall be for a period of two (2) years. During this period the laboratories facilities shall be re-surveyed and all issues arising from this survey resolved. A non-refundable fee of \$3000 annually for each facility shall be charged for SGCC Laboratory approval and surveys. This fee shall be waived under the following conditions:
 1. During the first 2 calendar years of initial SGCC Lab approval
 2. When 5 or more SGCC participating plants have selected the facility as their designated testing laboratory for that year.
8. Approval of Laboratory shall be by SGCC through its Certification Committee, or the Certification Quick Action Subcommittee thereof, upon recommendation by the SGCC

Administrator and shall be evidenced by execution of this Agreement by the SGCC Administrator on behalf of SGCC. Any complaint regarding any possible breach of this agreement shall be in writing and require 60 days notice and opportunity to cure said complaint prior to either party terminating this Agreement for cause. If SGCC terminates this Agreement for cause, such action shall be by the SGCC Certification Committee or the Certification Quick Action Subcommittee thereof, upon recommendation by the SGCC Administrator. Otherwise, any termination by either party shall be only upon six months notice or by mutual written consent.

9. Laboratory agrees to attend SGCC laboratory workshops, whenever convened, on reasonable notice at their own expense.
10. Approval as an SGCC Approved Testing Laboratory may be removed for failure to adhere to any of the above provisions or failure to pay any outstanding fees older than 60 days. Should approval be removed, re-application shall not be accepted for a 2 year period.
11. This Agreement shall be interpreted in accordance with the laws of the State of Illinois.

LABORATORY:

Company_____

Laboratory Location_____

By _____ Title_____

SAFETY GLAZING CERTIFICATION COUNCIL, INC.

By_____

John G. Kent, Administrative Manager

Safety Glazing Certification Council, Inc.

Program Testing Results

Attachment C08

		2005	2006	2007	2008	2009	2010	2011	2012	2013	F14 to date
Selections (% of total products)	Total	1729	2089	2549	2743	2846	2986	3146	3219	3291	1690
	Participant	925 (54)	851 (41)	1188 (47)	1300 (47)	1356 (48)	1902 (64)	2263 (72)	2753 (86)	3031 (92)	1524 (90)
	Inspector	804 (46)	1238 (59)	1361 (53)	1443 (53)	1490 (52)	1084 (36)	883 (28)	466 (14)	375 (11)	166 (10)
	Total Tempered Products	1643 (95)	1958 (94)	2349 (92)	2587 (94)	2705 (95)	2783 (93)	2876 (91)	2925 (91)	2979 (91)	1533 (91)
	Total Laminated Products	86 (5)	131 (6)	200 (8)	156 (6)	141 (5)	203 (7)	131 (9)	294 (9)	312 (9)	157 (9)
	Total	31 (1.8)	65 (3.1)	71 (2.8)	66 (2.4)	66 (2.3)	72 (2.4)	98 (3.1)	99 (3.1)	89 (2.7)	45 (2.7)
Product Failures (Calendar Year) % Total Failures/ % Total odd size testing	Participant Selected	20 (65/1.2)	54 (83/2.6)	44 (62/1.7)	35 (53/1.3)	47 (71/1.7)	65 (90/2.2)	76 (78/2.4)	85 (86/2.6)	86 (97/2.6)	41 (91/2.4)
	Inspector Selected	11 (35/6)	11 (17/5)	27 (38/1)	31 (47/1.1)	19 (29/7)	7 (10/2)	22 (22/7)	14 (14/4)	3 (3/1)	4 (9/2)
	34x76	30* (97/1.7)	61* (94/3)	50* (70/2)	47* (71/3.3)	54* (82/2)	70* (97/2.3)	98 (100/3.1)	99 (100/3.1)	89 (100/2.7)	45 (100/2.7)
	Tempered Failures	25 (81/1.5)	48 (74/2.3)	48 (68/1.9)	51 (77/1.9)	43 (65/1.5)	59 (82/2)	82 (84/2.6)	78 (79/2.4)	63 (71/2)	28 (62/1.7)
Laminated Impact Failures		5 (16/2)	8 (12/4)	20 (28/8)	12 (18/4)	17 (26/6)	10 (14/3)	9 (9/3)	15 (15/4)	21 (24/6)	15 (33/9)
Laminated Boil Failures		1 (3.2/1)	9 (14/4)	3 (4/1)	3 (4/1)	6 (9/2)	3 (4.2/1)	7 (7/2)	6 (6/2)	5 (5/1)	2 (5/1)



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CPSC Update 9-12-2014

a. SGCC Petition

From: Squibb, Robert [mailto:RSquibb@cpsc.gov]

Sent: Friday, September 12, 2014 8:25 AM

Subject: RE: Safety Glass Update

Staff is currently in the process of developing a briefing package for the commission for a Notice of Proposed Rulemaking (NPR). However, a hearing date and ballot for the briefing package have not yet been scheduled by the commission, so I don't have any more specific information about the timeline. I will let you know when the briefing has been scheduled; it will also be available on the commission's public calendar: <http://www.cpsc.gov/en/Newsroom/Public-Calendar/>. Once the briefing takes place, a ballot will be scheduled, and, when approved, the NPR will be published. A public comment period will take place on the NPR, followed by CPSC addressing any comments and posting a final rule some time thereafter. The timing of the final rule will depend on the timing of the NPR, along with the volume of public comments received.

b. Certificate of Compliance Requirements

From: Mann, Kim [mailto:KMANN@scopelitis.com]

Sent: Thursday, May 15, 2014 12:13 PM

Subject: RE: Status Report on CPSC Comments on Certification Compliance Submission

As some of you may know, last week the CPSC Commissioners had occasion to take up the status of its long-pending rulemaking proceeding in which CPSC proposes to amend its regulations governing certificates of compliance with CPSC safety standards. (GANA, WDMA, IGMA, and AEC submitted joint comments on July 29, 2013, opposing the proposed rule-change to the extent it would shift the burden of issuing certificates of compliance with 16 CFR Part 1201 from the tempered and laminated glass fabricator to its downstream customers.) The CPSC earlier this year had committed to issuing a final rule in this proceeding sometime before the end of its 2014 fiscal year, September 30, 2014; however, in response to overwhelming opposition from industry to the rule-change as proposed, the Commissioners agreed at last week's mid-year meeting, devoted to evaluating its annual operating plan and to making adjustments, to abandon that goal. In its stead, the Commissioners voted to adopt a staff recommendation to change the proceeding from issuing a final rule this year to a "Data Analysis/Technical Review."

Attachment C09

From: Mann, Kim [mailto:KMANN@scopelitis.com]

Sent: Monday, July 14, 2014 10:59 AM

Subject: RE: Status Report on CPSC Comments on Certification Compliance Submission; CPSC Workshop Scope and Date Announced

Last week, the CPSC finally got around to publishing its announcement about the promised workshop it plans to hold on the subject of its proposed amendments to certificates-of-compliance regulations. However, that notice makes relatively clear the workshop, to be held September 18, 2014, will be very limited, focusing exclusively on the electronic filing of certificates of compliance with U.S. Customs and Border Protection in connection with **imported** consumer products.

Although the notice is not free from ambiguity (because of its loose wording) as to the intended scope of the workshop, it appears the workshop will not discuss certificate content requirements, format requirements, or other substantive requirements, other than at import. In other words, the workshop will not address the issue the glass industry comments raised questioning the CPSC proposal to shift certification requirements from the safety glazing fabricator to its downstream customers.

ASC Z97 ANSI ACCREDITED STANDARDS COMMITTEE (Attachment C10)

Safety Requirements for Architectural Glazing Materials

Chairman: K. Olah, 2300 Harmon Road, Auburn Hills, MI 48326, Phone: 248-340-2141; E-mail: KOLAH@Guardian.com

Secretary: J.C. Schimmelpenninck, 730 Worcester Street, Springfield, MA 01151, Phone: 413-730-3413; E-mail: JCSCHI@eastman.com

ASC Z97 Update

September 24, 2014

ANSI Z97.1-2009 Standard

- Available for purchase at <http://www.ansiz97.com/purchase/>
- Interpretations have been issued and supplied for posting on the website. An ERRATA statement has also been issued February 11, 2011 with those modifications made to the standard.
 - TI-14.06.001 Inserts; issued 06/27/2014
- Ballot B14-0630.01 with all revisions for the 2014 standard passed. All comments and negatives will be reviewed at the October Full Committee Meeting.
- Ballot M14-0630.01 membership for Margaret Webb passed.

Meeting Information

- Last Full Committee Meeting was held September 17-18, 2013 in Charlotte, NC; all comments/negatives were resolved with the exception of those related to section "5.1.4 Interpretation of Results" related to the impactor test
 - Comments/negatives related to section 5.1.4 were sent back to the Mode of Breakage (MoB) Working Group; the Working Group sent the new proposed language to the Testing Requirements & Acceptance Criteria (TRAC) Task Group
 - The TRAC Task Group met June 11, 2014 and submitted proposed language for inclusion into the standard (adopting the break criteria from EN 12600 for laminated/organic coated glass)
- Next Full Committee Meeting will be held October 2-3, 2014 in Nashville, TN; all comments/negatives from the full standard ballot will be reviewed.

**Any individuals interested in participating in a task or working group should contact Julie Schimmelpenninck directly at jcschi@eastman.com*

Membership

- 28 primary members; 19 alternates; 3 observers
- Committee must remain in balance according to ANSI Essential Requirements
 - There are six classifications of membership
 - No one group can exceed 33% of membership
- Currently have two pending memberships due to balance requirements
- Looking for new members in the 'User', 'Trade Organization' and 'Testing Lab' categories
- For new membership information please go to www.ansiz97.com and fill out a membership form

ASC Z97 **ANSI ACCREDITED STANDARDS COMMITTEE** (Attachment C10)

Safety Requirements for Architectural Glazing Materials

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Website www.ansiz97.com

January – August 2014

Total Visits = 41,823 (Avg. 5,227/mo)

Unique Visitors = 14,430

Top Five Visiting Countries

1. US – 10,232 visits
2. China – 8,430
3. Germany – 595
4. Japan – 495
5. Russia – 327

Top Three Visited Pages (Other than home page)

1. Standard: <http://www.ansiz97.com/standard> - 6,152
2. Purchase: <http://www.ansiz97.com/purchase/index.htm> – 1,892
3. Interpretation: <http://www.ansiz97.com/interpretation/> - 1,496

Steering Committee

- Scheduled to meet October 2, 2014 in Nashville, TN prior to the Full Committee Meeting

The Canadian General Standards Board has reconvened the CGSB Committee on Glass to review all the Canadian glass standards. Margaret Webb was elected as the chairperson at the first meeting held at the end of May in the Ottawa area.

The first task that is being undertaken is a review of safety glazing. Currently there are two Canadian standards which address safety glazing. CAN/CGSB 12.11, Wired Glass and CAN/CGSB 12.1, Tempered or Laminated Safety Glass.

These standards are now being reviewed in response to needs identified by manufacturers, glass users and regulators such as Health Canada and the National Research Council which incorporate by reference the standards. The revisions will establish the performance requirements of glass to ensure it breaks in a safe manner.

The current task is to update CGSB 12.1 and expand it to include other categories of safety glazing; organic coated and plastic. There are four task groups working on this update and progress is well under way with the hopes that the revised standard will be ready for public review early 2015. There is also a strong commitment to review other safety glazing standards including ISO and the ANSI Z97.1 with a view to harmonizing where possible.

The laminated section of the CGSB 12.1 standard is close to completion as well as the organic coated one.

All enquiries regarding the development of the CGSB glass standards should be forwarded to Jennifer Jimenez at CGSB. CGSB manages the standards development process using technical committees whose volunteer members represent a balance of interested parties, experts, general users and regulators.

Classified Tempered Glass Patterns Key:

S (Shallow)

M (Medium)

D (Deep)

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

*Indicates EN Standard Thickness Tolerance

(Pilkington notes they manufacture product to meet EN 572-5 however, product brought into North America also meets ASTM 1036)

Pattern Name	Manufacturer	1/8"	5/32"	3/16"	7/32"		1/4"	5/16"		3/8"	1/2"
		3 mm	4 mm	5 mm	0.21	5.5 mm	6 mm	7 mm	8 mm	10 mm	12 mm
Abstracto	Saint Gobain		D								
Altdeutsch F	Saint Gobain		S								
Altdeutsch K	Saint Gobain		S								
Antique	Saint Gobain		S								
Aqua	AGC	S	S	S			S				
Aquatex	AGC	S	S	S	S	S	S				
Aqui	AGC	S	S	S			S				
Arctic*	Pilkington		D								
Arena C/SR Arena	Saint Gobain	S	S				S				
Austral*	Pilkington		M								
Autumn*	Pilkington		M				X				
Bamboo	AGC			D							
Bubble	Guardian	S	S	S		S	S			S	
Cascade	AGC				S	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			D			D				
Flutex	AGC			D						M	
Glacier	AGC	M	M	D			D			M	
Gluechip	Guardian	M	M	M		M	M				
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								
Listral D	Saint Gobain		M								

		1/8"	5/32"	3/16"		7/32"	1/4"		5/16"	3/8"	1/2"
		3 mm	4 mm	5 mm	0.21	5.5 mm	6 mm	7 mm	8 mm	10 mm	12 mm
Pattern Name	Manufacturer										
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								
Monumental M	Saint Gobain		D								
Monumental S	Saint Gobain		M								
Morisco*	Pilkington		M								
Niagara	Guardian	M	M	M		M	M			M	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				
Pelerine*	Pilkington		S								
Pixels	AGC		M								
Rain	AGC	M	M	M			S			S	
Rattan*	Pilkington	M									
Rayado*	Pilkington			S							
Reeded*	Pilkington		D				M				
Sahara	Saint Gobain		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						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								
Wired 1/2"	Saint Gobain						S				
Wired 1/2"	Saint Gobain							S			
Wired Abstract	Saint Gobain							M			
Wired Listral	Saint Gobain						S				
Wired Waterdrop	Saint Gobain							M			
Yacare*	Pilkington		M								
Zefiro weiss	Saint Gobain		M								



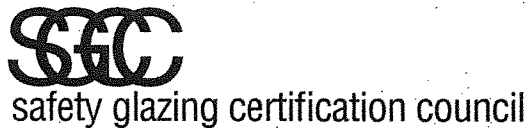
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Tempered and Laminated Safety VIG

- 1) **Q - How would a tempered or laminated VIG be tested?**
A - Mechanically sealed VIG = Test monolithically, each lite independently complying with the required standard. Heat Fused = Test as total unit.
- 2) **Q - VIG may have variable thickness (edge); is guideline T.7 applicable?**
A - Yes

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, and grooving 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 10/01/02)
- 3) **Q - Some VIG's use a ceramic frit to fess the edges, does guideline T.3 apply?**
A - Yes, T.3 requires that the product would need to be tested and certified separately, from say the base glass (i.e. 1/4-inch VIG separately certified from 1/4 TTG). The ceramic frit may be applied only to the edge but if 2 different thicknesses are used, each thickness criteria would need to be used.

T.3
Certification of regular tempered glass will also cover tinted, heat absorbing, and coated glasses of the same nominal thickness where the coating does not alter substantially the post-breakage behavior of the glass substrate. A "substantial alteration" is one that would render the coated tempered glass in non-conformance with the applicable safety glazing standards. Glasses of the same nominal thickness with a ceramic or other material applied as a continuous or partial coating to one or more surfaces are also covered. (Modified 04/02/92)
- 4) **Q - The ANSI TI on edge conditions would exempt the edge (frit) for the center punch test but not the impact test.**
A - Correct
- 5) **Q - What if VIG can not be made in minimum ANSI Z97.1 size (16 X 30 –inches)?**
A – Must meet ANSI minimum
- 6) **Q - How would we identify safety VIG?**
A - TVIG = Tempered VIG by overall unit thickness
LVIG = Laminated VIG by overall unit thickness



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 E-mail: staff@amscert.com

How is Compliance Assured

Audit Day 1

6 weeks	Samples shipped to lab
4 weeks	Samples tested
2 weeks	Report processing (G.11 Failure (test, label, thickness)
4 weeks	Resubmit samples
4 weeks	Samples tested
2 weeks	Report processing
22 weeks	Total

G.11

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 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) Within three months the Administrator shall obtain an additional random sample for evaluation (in addition to the routine evaluation sample obtained twice a year). The Administrator shall be certain that this additional sample is of recent production.~~
- ~~c) At the option of the Administrator, specimens submitted under (a) above shall be either prototype size and pattern or identical to those previously sampled and of recent production.~~
- ~~d) Certification shall be removed if the additional random sample obtained in (b) above fails to comply with the specifications.~~
- e) All costs related to G.11 are to be borne by the licensee.
- f) 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.

HOW IS COMPLIANCE ASSURED

Any certified product determined, in the course of routine sampling and evaluation, not in compliance with the applicable specification(s), is subject to the removal of certification. The licensee is given 30 days in which to demonstrate to the satisfaction of the Administrator compliance, and if not certification is automatically withdrawn at the end of the 30-day period. *(Is this the G.11 30 days or an additional notification period?)*