

JULY 1, 1976



safety glazing certification council

certified products directory  
safety glazing material used in buildings

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## **PROGRAM CONCEPT**

The safety of the public is paramount. Manufacturers of safety glazing products, building code administrators and others responsible for the safety of the public, recognizing the need for a common standard for safety glazing materials, jointly established the Safety Glazing Certification Council (SGCC).

The Safety Glazing Certification Council is a non-profit organization which has established and maintains a program to administer periodic testing as outlined in American National Standard Z97.1-1975, an internationally recognized standard for safety glazing in buildings. This standard subjects glazing materials to a practical test to determine that if they break they do so in a manner that would minimize the likelihood of a cutting or piercing injury. SGCC's responsibilities are threefold: to assure a periodic testing program is maintained; to approve and register the form of the manufacturer's label; and to withdraw the manufacturer's authority to use that label if its products do not meet ANSI Z97.1-1975 standards.

Management and control of the program is vested in a board of directors, half representing industry and half representing public interest. The public interest representatives are empowered to veto any action regardless of the number present at a meeting. This insures against industry dominance of SGCC actions. The organization is operated in compliance with the American National Standard Practice for Certification Procedures Z34.1-1947 (R1959).

The program uses independent testing laboratories under the supervision of a qualified administrator, who is a professional engineer. He is unaffiliated with any manufacturer of safety glazing materials, and is hired by and responsible to the Safety Glazing Certification Council. The manufacturer of the products listed herein has certified that the labeled materials comply with the safety characteristics established by ANSI Z97.1-1975. The compliance of the manufacturer with the requirements of that standard is being checked periodically by an independent testing laboratory under the supervision of SGCC.

Every manufacturer of safety glazing material is eligible and encouraged to apply for certification. However, his products are not accepted and certified until an independent laboratory test indicates compliance with the standard. Once certified, each product is assigned an SGCC certification number to identify it and the factory at which it is made. Then, at least twice a year SGCC independently selects samples during unannounced visits to the manufacturing plant or randomly from the market place to ensure continued adherence to the standard. Based on these re-evaluation reports SGCC authorizes continued use of the certification label and the product listing published in this directory.

The directory is divided into three basic listings: the first is by numerical sequence of certified product numbers listing the manufacturer holding that number; the second is of manufacturers listed alphabetically by plants and the approved products manufactured at those plants; the third is by products listing all manufacturers and their plants approved for each product. There is also an alphabetical listing by manufacturers illustrating a typical label of that manufacturer. The table of contents lists various procedural and administrative information, as well as information as to where officers and directors may be located.

Information from SGCC concerning a statement of procedures or copies of the minutes are available to manufacturers, public interest groups and individuals upon request.

## *MEETINGS OF THE CERTIFICATION COMMITTEE*

The Certification Committee of the Safety Glazing Certification Council met on January 26 and 27 and on May 5 and 6 during 1976. Interested persons may obtain minutes of these meetings by writing to the Safety Glazing Certification Council.

\* \* \* \*

Certification in this directory is up-to-date as of July 1, 1976; however, products may be certified or certification removed from time to time. Please contact the SGCC office for the latest up-to-date information.

Requests for future copies of this directory, or any question or comments should be directed to:

Ms. Shirley Stafford  
Assistant Secretary  
Safety Glazing Certification Council  
1640 West 32 Place  
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Phone: 305-558-1352

Representing Public Interest

Mrs. Jean Cornwell, Consumer  
 Phil Dykstra, National Safety Council  
 Richard C. Elstner, Wiss, Janney and Elstner  
 Mrs. Sylvia Lav, Consumer  
 Joseph L. Minor, Texas Tech University  
 Orville L. Pierson, Consumer  
 Lynford K. Snell, Federal Housing Administration

Representing Industry

Thomas C. Carson, ASG Industries  
 Homer H. Goldsberry, Plaskolite  
 George L. Graf, Jr., Du Pont  
 Richard L. Morrison, Ford Motor  
 Norman Nitschke, Glasstech  
 Caryl E. Twitchell, Three M  
 Donald J. Vild, L-O-F Co., LOF Glass

SGCC OFFICERS

Norman Nitschke, President, Chairman  
 Orville L. Pierson, Vice President  
 Donald J. Vild, Vice President  
 Richard C. Elstner, Secretary  
 Shirley Stafford, Assistant Secretary  
 Thomas C. Carson, Treasurer

SGCC CERTIFICATION COMMITTEE

Homer H. Goldsberry, Chairman  
 W. Gene Gilbert, Vice Chairman

Participants with certified items:

<u>Participant</u>	<u>Primary Member</u>
ASG Industries	Thomas C. Carson
American Cyanamid	H. Patrick Toner
Armour Laminated	M. H. Russell
Asahi	Paul F. Burnham, Jr.
M. L. Burke	Maurice L. Burke
C-E Glass	Frank L. McGeary
Canadian Pittsburgh	J. M. Peeters
Central Glass	Hajime Hattori
Chromalloy-Safetee	Earle D. Moiles
Dearborn Glass	Joseph W. Falls
Downey Glass	Jim Pinsky
Falconer Plate Glass	Richard E. Turner
Feather-lite	Avery C. Fried
Flex-O-Glass	Harold G. Warp
Ford Motor Company	Richard L. Morrison
Fourco Glass Company	John Linder
General Electric	Paul J. Ferrigan
Gladwin Industries	George C. Triplett
Globe-Amerada	Richard R. Miller
Guardian	Pieter Knorr
Hamilton of Indiana	Gary L. Tate
K-S-H	Larry W. Cornell
LOF Glass	Donald J. Vild
Laminated Glass	Martin W. Lerner
Libbey-Owens-Ford	Donald J. Vild
Minex-Poland	Maurice L. Burke
Northwestern Industries	Norman G. Heutmacker
Ohio Plate Glass	W. Gene Gilbert
PPG Industries	Richard T. McGuire
Plaskolite	Homer H. Goldsberry
Rohm and Haas	A. J. Bartosic
Rotuba Extruders	Eugene E. Drood
Safelite	David R. Jones
Sheffield Plastics	Thomas Kradel
Southern Plastics	D. W. Weber
Swedcast	Charles E. Edenfield
Tempered Glass	Paul F. Tumej
Temp-Safe	Lewis E. Hunt, Jr.
Texas Tempered Glass	Frank L. McGeary
Tudor Safety Glass	Peter Fineman
Tuf-flex Glass	Bernard Nathan
Vidrios Securit	Jaime Urrutia
Viracon	Harold Landsman
Virginia Glass	Robert L. Brown
Visador	James Seale

Members from those without certified products:

du Pont	George L. Graf, Jr.
Mobay	Henry S. Byrne
Three M Company	Caryl E. Twitchell

Members by virtue of being a director:

Consumer  
 National Safety Council  
 Wiss, Janney and Elstner  
 Consumer  
 Texas Tech University  
 Federal Housing Administration  
 Consumer  
 Glasstech

SGCC Certification Program Administrator:Auditor:Legal Counsel:

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First Alternate

A. H. Agett  
 C. S. Hermann

Norman Cohen

James R. Smith  
 F. T. Barker  
 Takayoshi Sakaida  
 Steve Zabetakis  
 Herman R. Paulick

Leight T. Yates

Delbert Christensen  
 E. L. Henrickson  
 Frank James

C. T. Richardson  
 Donald J. Segin  
 Robert Hayes  
 Ronald Purdue  
 William W. Korn  
 Leroy E. Drake, Jr.  
 W. F. Roe  
 Leroy E. Drake, Jr.

James C. Clark  
 Frederick S. Deans  
 Robert Yeoman  
 T. C. Tjader  
 Albert Bell  
 Homer C. Lewis  
 Bernard W. Brooks  
 L. Drozeski, Jr.  
 J. W. Hunt  
 David P. Moorhead

James R. Smith  
 Geoffrey Barrett  
 Joseph O. Kramer  
 James Full  
 Brooks R. Leavitt  
 Roger Hall

Robert B. Rector  
 Paul W. Mitchell  
 Louis F. Masonick

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 Mrs. Sylvia Lav  
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 Orville L. Pierson  
 Norman Nitschke

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Richard H. Turner

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John C. Morgan

Robert W. McKinley  
 Harley Thomas  
 Richard J. Regan, Jr.

William H. Schneider

Jerry Bienenfeld

Donald J. Vild

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## *SGCC BOARD OF DIRECTORS*

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Mr. Donald J. Vild  
Libbey-Owens-Ford Company  
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### *SGCC PARTICIPANTS WITHOUT A CERTIFIED PRODUCT*

Dr. George L. Graf, Jr.  
E.I. du Pont de Nemours  
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Plastic Products  
and Resins Department  
Chestnut Run  
Wilmington, Delaware 19898

Mr. Henry S. Byrne  
Market Development  
Plastic and Coating Division  
Mobay Chemical Company  
Penn Lincoln Parkway West  
Pittsburgh, Pennsylvania 15205

Mr. Caryl E. Twitchell  
Building 230 - BC8  
3M Center  
3M Company  
St. Paul, Minnesota 55101

# CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 11 Feather-lite	SGCC-114 PPG Industries	SGCC-233 Viracon
SGCC- 12 Virginia Glass	SGCC-118 Flex-O-Glass	SGCC-237 Safelite Industries
SGCC- 14 Virginia Glass	SGCC-125 C-E Glass	SGCC-238 Ohio Plate Glass
SGCC- 17 ICP Industries	SGCC-127 Hamilton of Indiana	SGCC-245 C-E Glass
SGCC- 18 Southern Plastics	SGCC-128 Hamilton of Indiana	SGCC-246 C-E Glass
SGCC- 19 Libbey-Owens-Ford	SGCC-129 Hamilton of Indiana	SGCC-248 PPG Industries
SGCC- 24 ASG Industries	SGCC-131 Guardian Industries	SGCC-249 PPG Industries
SGCC- 26 ASG Industries	SGCC-136 K-S-H	SGCC-250 PPG Industries
SGCC- 27 ASG Industries	SGCC-137 Texas Tempered Glass	SGCC-251 Canadian Pittsburgh
SGCC- 28 ASG Industries	SGCC-138 Texas Tempered Glass	SGCC-252 Tyre Brothers
SGCC- 31 ASG Industries	SGCC-140 Minex-Poland	SGCC-253 Tyre Brothers
SGCC- 34 Fourco Glass	SGCC-141 ASG Industries	SGCC-254 Tyre Brothers
SGCC- 35 Fourco Glass	SGCC-145 C-E Glass	SGCC-255 Tyre Brothers
SGCC- 36 Fourco Glass	SGCC-146 C-E Glass	SGCC-256 Tyre Brothers
SGCC- 37 Vidrierias De Llodio	SGCC-147 Dearborn Glass	SGCC-257 Tuf-flex
SGCC- 38 Vidrierias De Llodio	SGCC-150 Libbey-Owens-Ford	SGCC-258 Tuf-flex
SGCC- 39 Guardian Industries	SGCC-151 Libbey-Owens-Ford	SGCC-263 Guardian Industries
SGCC- 40 Guardian Industries	SGCC-152 Plaskolite	SGCC-264 Guardian Industries
SGCC- 41 Guardian Industries	SGCC-153 Rohm and Haas	SGCC-265 C-E Glass
SGCC- 43 Guardian Industries	SGCC-154 Rohm and Haas	SGCC-266 PPG Industries
SGCC- 46 Asahi Glass	SGCC-157 Chromalloy-Safetee	SGCC-267 PPG Industries
SGCC- 47 C-E Glass	SGCC-160 Guardian Industries	SGCC-269 Tudor Safety
SGCC- 49 C-E Glass	SGCC-162 Southern Plastics	SGCC-270 Tuf-flex
SGCC- 50 C-E Glass	SGCC-173 Sheffield Plastics	SGCC-272 PPG Industries
SGCC- 54 Hamilton of Indiana	SGCC-181 Chromalloy-Safetee	SGCC-273 PPG Industries
SGCC- 56 Hamilton of Indiana	SGCC-182 Chromalloy-Safetee	SGCC-274 M. L. Burke
SGCC- 57 Hamilton of Indiana	SGCC-183 American Cyanamid	SGCC-279 Ohio Plate Glass
SGCC- 59 PPG Industries	SGCC-184 C-E Glass	SGCC-286 Vidrierias De Llodio
SGCC- 60 PPG Industries	SGCC-185 Ohio Plate Glass	SGCC-291 Fourco Glass
SGCC- 61 PPG Industries	SGCC-186 Ohio Plate Glass	SGCC-292 Fourco Glass
SGCC- 63 PPG Industries	SGCC-187 Ohio Plate Glass	SGCC-293 Fourco Glass
SGCC- 64 PPG Industries	SGCC-188 Ohio Plate Glass	SGCC-295 PPG Industries
SGCC- 65 PPG Industries	SGCC-189 Taylor Products	SGCC-297 Fourco Glass
SGCC- 70 PPG Industries	SGCC-190 Taylor Products	SGCC-298 Tuf-flex
SGCC- 73 PPG Industries	SGCC-191 Taylor Products	SGCC-300 Guardian Industries
SGCC- 74 PPG Industries	SGCC-192 Taylor Products	SGCC-308 Falconer Plate Glass
SGCC- 75 PPG Industries	SGCC-194 PPG Industries	SGCC-311 Falconer Plate Glass
SGCC- 76 C-E Glass	SGCC-195 PPG Industries	SGCC-314 Tuf-flex
SGCC- 78 Guardian Industries	SGCC-196 PPG Industries	SGCC-315 Tuf-flex
SGCC- 82 Libbey-Owens-Ford	SGCC-200 PPG Industries	SGCC-316 Rotuba Extruders
SGCC- 88 Laminated Glass	SGCC-201 C-E Glass	SGCC-318 C-E Glass
SGCC- 89 ASG Industries	SGCC-203 Ohio Plate Glass	SGCC-320 Tuf-flex
SGCC- 90 ASG Industries	SGCC-205 Armour Laminated	SGCC-321 Tuf-flex
SGCC- 91 ASG Industries	SGCC-206 Armour Laminated	SGCC-322 Tuf-flex
SGCC- 92 Virginia Glass	SGCC-209 Canadian Pittsburgh	SGCC-323 Tuf-flex
SGCC- 93 Virginia Glass	SGCC-210 Robeco Products	SGCC-328 Ohio Plate Glass
SGCC- 94 Virginia Glass	SGCC-217 ASG Industries	SGCC-330 C-E Glass
SGCC- 95 Virginia Glass	SGCC-219 PPG Industries	SGCC-331 C-E Glass
SGCC- 97 Guardian Industries	SGCC-220 ASG Industries	SGCC-332 C-E Glass
SGCC- 98 Guardian Industries	SGCC-221 K-S-H	SGCC-333 C-E Glass
SGCC- 99 K-S-H	SGCC-225 Safelite Industries	SGCC-336 C-E Glass
SGCC-102 PPG Industries	SGCC-227 Viracon	SGCC-337 Tempered Glass
SGCC-104 Guardian Industries	SGCC-228 Viracon	SGCC-338 Tempered Glass
SGCC-108 C-E Glass	SGCC-229 Tuf-flex	SGCC-341 Ford Motor Company
SGCC-110 Texas Tempered Glass	SGCC-232 Viracon	SGCC-342 Ford Motor Company



# CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC-344 C-E Glass	SGCC-440 Temp-Safe	SGCC-533 Armour Laminated
SGCC-345 C-E Glass	SGCC-441 Temp-Safe	SGCC-534 Armour Laminated
SGCC-346 C-E Glass	SGCC-444 Libbey-Owens-Ford	SGCC-536 ASG Industries
SGCC-347 Tempered Glass	SGCC-445 Globe-Amerada	SGCC-543 Central Glass
SGCC-348 Tempered Glass	SGCC-446 PPG Industries	SGCC-544 Libbey-Owens-Ford
SGCC-350 LOF Glass	SGCC-448 Vidrierias De Llodio	SGCC-545 LOF Glass
SGCC-351 LOF Glass	SGCC-449 Libbey-Owens-Ford	SGCC-547 ASG Industries
SGCC-352 LOF Glass	SGCC-450 Libbey-Owens-Ford	SGCC-548 IRDA Greek Safety Glass
SGCC-357 Armour Laminated	SGCC-451 Libbey-Owens-Ford	SGCC-549 IRDA Greek Safety Glass
SGCC-358 Armour Laminated	SGCC-452 C-E Glass	SGCC-550 IRDA Greek Safety Glass
SGCC-359 Sheffield Plastics	SGCC-453 C-E Glass	SGCC-551 Armour Laminated
SGCC-360 C-E Glass	SGCC-454 PPG Industries	SGCC-552 Globe-Amerada Glass
SGCC-361 C-E Glass	SGCC-455 PPG Industries	SGCC-553 Central Glass
SGCC-371 C-E Glass	SGCC-456 PPG Industries	SGCC-554 Globe-Amerada Glass
SGCC-373 LOF Glass	SGCC-458 Guardian Industries	SGCC-555 Societa Italiana Vetro
SGCC-374 LOF Glass	SGCC-463 Viracon	SGCC-556 Societa Italiana Vetro
SGCC-375 LOF Glass	SGCC-464 Libbey-Owens-Ford	SGCC-557 Gladwin
SGCC-378 Chromalloy-Safetee	SGCC-470 Visador	SGCC-558 Rohm and Haas
SGCC-379 Chromalloy-Safetee	SGCC-471 Guardian Industries	SGCC-559 Swedcast
SGCC-380 Chromalloy-Safetee	SGCC-474 PPG Industries	SGCC-560 Swedcast
SGCC-381 Chromalloy-Safetee	SGCC-475 PPG Industries	SGCC-561 Buchmin Industries
SGCC-382 PPG Industries	SGCC-476 Minex-Poland	SGCC-562 Ohio Plate Glass
SGCC-384 PPG Industries	SGCC-478 Northwestern Industries	SGCC-563 C-E Glass
SGCC-385 C-E Glass	SGCC-479 Northwestern Industries	SGCC-564 Buchmin Industries
SGCC-386 Libbey-Owens-Ford	SGCC-481 Northwestern Industries	SGCC-565 Ohio Plate Glass
SGCC-389 Tuf-flex	SGCC-482 Tuf-flex	SGCC-566 PPG Industries
SGCC-390 Tuf-flex	SGCC-483 Tuf-flex	SGCC-567 Manchester Products
SGCC-391 Tuf-flex	SGCC-484 Guardian Industries	SGCC-569 C-E Glass
SGCC-392 Tuf-flex	SGCC-487 Guardian Industries	SGCC-570 Texas Tempered Glass
SGCC-396 Ford Motor Company	SGCC-488 Temp-Safe	SGCC-571 C-E Glass
SGCC-397 Ford Motor Company	SGCC-489 C-E Glass	SGCC-573 K-S-H
SGCC-400 PPG Industries	SGCC-490 Tuf-flex	SGCC-574 Vidrios Securit
SGCC-402 PPG Industries	SGCC-491 Tuf-flex	SGCC-575 Vidrios Securit
SGCC-403 PPG Industries	SGCC-496 Mitsubishi Rayon	SGCC-576 Vidrios Securit
SGCC-404 PPG Industries	SGCC-499 ASG Industries	SGCC-582 ASG Industries
SGCC-405 PPG Industries	SGCC-500 Northwestern Industries	SGCC-583 Artistic Glass
SGCC-406 Guardian Industries	SGCC-501 Northwestern Industries	SGCC-584 Artistic Glass
SGCC-407 C-E Glass	SGCC-502 Northwestern Industries	SGCC-585 Artistic Glass
SGCC-409 Guardian Industries	SGCC-503 C-E Glass	SGCC-587 ASG Industries
SGCC-410 C-E Glass	SGCC-506 General Electric	SGCC-588 ASG Industries
SGCC-411 C-E Glass	SGCC-508 Central Glass	SGCC-589 M.L. Burke
SGCC-412 C-E Glass	SGCC-509 Visador	SGCC-590 General Glass Imports
SGCC-413 C-E Glass	SGCC-510 Visador	SGCC-592 Tempglass
SGCC-414 C-E Glass	SGCC-511 C-E Glass	SGCC-593 Tempglass
SGCC-415 M. L. Burke	SGCC-512 Downey Glass	SGCC-594 Tempglass
SGCC-419 C-E Glass	SGCC-514 Downey Glass	SGCC-595 Tempglass
SGCC-420 Gladwin	SGCC-515 Downey Glass	SGCC-596 Tempglass
SGCC-421 Tempered Glass	SGCC-516 Downey Glass	SGCC-597 Tempglass
SGCC-425 Guardian Industries	SGCC-520 Anglass Industries	SGCC-598 ASG Industries
SGCC-426 PPG Industries	SGCC-521 Armour Laminated	SGCC-602 Guardian Industries
SGCC-427 PPG Industries	SGCC-522 Armour Laminated	SGCC-611 Break-Safe
SGCC-429 PPG Industries	SGCC-525 Tuf-flex	SGCC-612 Falconer Plate Glass
SGCC-430 PPG Industries	SGCC-526 Chromalloy-Safetee	SGCC-613 General Glass Imports
SGCC-431 PPG Industries	SGCC-532 Temp-Safe	SGCC-614 Libbey-Owens-Ford



# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

## ASG Industries, Inc.; Greenland, Tennessee

SGCC-598	1/8	inch	tempered transparent glass	Unlimited size
SGCC-220	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 89	1/4	inch	tempered transparent glass	Unlimited size
SGCC- 90	3/8	inch	tempered transparent glass	Unlimited size
SGCC- 91	1/2	inch	tempered transparent glass	Unlimited size
SGCC-547	3/4	inch	tempered transparent glass	Unlimited size
SGCC-587	1/8	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-588	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## ASG Industries, Inc.; Kingsport, Tennessee

SGCC- 28	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 24	1/4	inch	tempered transparent glass	Unlimited size
SGCC-141	1/8	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC- 31	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC- 27	7/32	inch	laminated transparent glass	Unlimited size
SGCC- 26	1/4	inch	laminated transparent glass	Unlimited size
SGCC-499	1/8:1/4		laminated transparent glass	Unlimited size
SGCC-536	1/4	inch	polished wired glass (3/4 inch diamond mesh)	Unlimited size
SGCC-217	1/4	inch	polished wired glass (Pinstripe; 1/2 inch parallel)	Unlimited size
SGCC-582	7/32	inch	pattern wired glass (Pinstripe; 1/2 inch parallel) (Finetex)	Unlimited size

## American Cyanamid Company; Sanford, Maine

SGCC-183	0.080	inch	and greater thicknesses smooth cast acrylic	Unlimited size
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## Anglass Industries, Inc.; San Fernando, California

SGCC-520	1/8	inch	tempered transparent glass	Unlimited size
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## Armour Laminated Glass Company, Inc.; Brooklyn, New York

SGCC-521	1/4	inch	tempered transparent glass	Unlimited size
SGCC-522	1/2	inch	tempered transparent glass	Unlimited size
SGCC-533	1/4	inch	laminated transparent glass	Unlimited size
SGCC-551	3/8	inch	laminated transparent glass	Unlimited size
SGCC-534	1/2	inch	laminated transparent glass	Unlimited size

## Armour Laminated Glass Company, Inc.; Santa Fe Springs, California

SGCC-205	1/4	inch	tempered transparent glass	Unlimited size
SGCC-206	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-357	1/4	inch	laminated transparent glass (0.030 inch plastic)	Unlimited size
SGCC-358	1/2	inch	laminated transparent glass (0.030 inch plastic)	Unlimited size

## Artistic Glass Products Company; Trumbauersville, Pennsylvania

SGCC-583	1/8	inch	tempered transparent glass	16" by 19"
SGCC-584	3/16	inch	tempered transparent glass	18" by 24"
SGCC-585	1/4	inch	tempered transparent glass	18" by 24"

## Asahi Glass Company, Ltd.; Tokyo, Japan

SGCC- 46	3/16	inch	tempered transparent glass	Unlimited size
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## Break-Safe, Inc.; Chicago, Illinois

SGCC-611	single strength annealed glass; 0.003 inch organic coating			Unlimited size
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## Buchmin Industries; Reedley, California

SGCC-561	7/32	inch	laminated transparent glass	Unlimited size
SGCC-564	1/4	inch	laminated transparent glass	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

## M. L. Burke Company; Cornwells Heights, Pennsylvania

SGCC-415	1/8	inch	tempered transparent glass	Unlimited size
SGCC-274	3/16	inch	tempered transparent glass	Unlimited size
SGCC-589	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## C-E Glass; Atlanta, Georgia

SGCC-407	3/16	inch	tempered transparent glass	Unlimited size
SGCC-108	1/4	inch	tempered transparent glass	Unlimited size
SGCC-371	3/8	inch	tempered transparent glass	Unlimited size
SGCC-125	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## C-E Glass; Bensenville, Illinois

SGCC-569	3/16	inch	tempered transparent glass	Unlimited size
SGCC-318	1/4	inch	tempered transparent glass	Unlimited size

## C-E Glass; Carson, California

SGCC-453	1/8	inch	tempered transparent glass	Unlimited size
SGCC-410	3/16	inch	tempered transparent glass	Unlimited size
SGCC-411	1/4	inch	tempered transparent glass	Unlimited size
SGCC-412	3/8	inch	tempered transparent glass	Unlimited size
SGCC-413	1/2	inch	tempered transparent glass	Unlimited size
SGCC-452	1/8	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-414	3/16	inch	tempered pattern glass (shallow patterns)	Unlimited size

## C-E Glass; Cinnaaminson, New Jersey

SGCC-489	1/8	inch	tempered transparent glass	Unlimited size
SGCC-503	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
SGCC-245	3/16	inch	tempered transparent glass	Unlimited size
SGCC-246	1/4	inch	tempered transparent glass	Unlimited size
SGCC-345	3/8	inch	tempered transparent glass	Unlimited size
SGCC-346	1/2	inch	tempered transparent glass	Unlimited size
SGCC-265	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## C-E Glass; Lancaster, Ohio; Quarry Road

SGCC-184	1/8	inch	tempered transparent glass	Unlimited size
SGCC-145	3/16	inch	tempered transparent glass	Unlimited size
SGCC-146	1/4	inch	tempered transparent glass	Unlimited size
SGCC-563	1/8	inch	tempered pattern glass (medium patterns)	27" by 69"
SGCC-419	1/4	inch	laminated transparent glass	Unlimited size

## C-E Glass; Lancaster, Ohio; Slocum Street

SGCC-330	3/16	inch	tempered transparent glass	30" by 39"
SGCC-331	7/32	inch	tempered transparent glass	30" by 39"
SGCC-332	1/4	inch	tempered transparent glass	30" by 39"
SGCC-333	7/32	inch	tempered pattern glass (shallow patterns)	22" by 36"

## C-E Glass; Miami, Florida

SGCC- 76	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 49	1/4	inch	tempered transparent glass	Unlimited size
SGCC- 50	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## C-E Glass; St. Louis, Missouri

SGCC-571	1/4	inch	polished wired glass (3/4 inch diamond)	Unlimited size
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# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

## C-E Glass; Tampa, Florida

SGCC-385	3/16	inch	tempered transparent glass	Unlimited size
SGCC-47	1/4	inch	tempered transparent glass	Unlimited size
SGCC-201	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## C-E Glass; Warrenton, Missouri

SGCC-360	1/8	inch	tempered transparent glass	Unlimited size
SGCC-336	3/16	inch	tempered transparent glass	Unlimited size
SGCC-361	1/4	inch	tempered transparent glass	Unlimited size
SGCC-511	1/8	inch	tempered pattern glass (shallow patterns)	30" by 70"
SGCC-344	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

## Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario

SGCC-251	1/8	inch	tempered transparent glass	Unlimited size
SGCC-209	3/16	inch	tempered transparent glass	Unlimited size

## Central Glass Company, Ltd.; Tokyo, Japan

SGCC-553	1/4	inch	laminated transparent glass	Unlimited size
SGCC-508	1/4	inch	polished wired glass (3/4 inch diamond mesh)	Unlimited size
SGCC-543	1/4	inch	polished wired glass (1/2 inch square mesh)	Unlimited size

## Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC-526	3/16	inch	tempered transparent glass	Unlimited size
SGCC-157	1/4	inch	tempered transparent glass	Unlimited size
SGCC-181	3/8	inch	tempered transparent glass	Unlimited size
SGCC-182	1/2	inch	tempered transparent glass	Unlimited size
SGCC-378	7/32	inch	laminated transparent glass	Unlimited size
SGCC-379	1/4	inch	laminated transparent glass	Unlimited size
SGCC-380	3/8	inch	laminated transparent glass	Unlimited size
SGCC-381	1/2	inch	laminated transparent glass	Unlimited size

## Dearborn Glass Company; Bedford Park, Illinois

SGCC-147	7/32	inch	laminated transparent glass	Unlimited size
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## Downey Glass Company; Los Angeles, California

SGCC-512	3/16	inch	tempered transparent glass	Unlimited size
SGCC-514	1/4	inch	tempered transparent glass	Unlimited size
SGCC-515	3/8	inch	tempered transparent glass	Unlimited size
SGCC-516	1/2	inch	tempered transparent glass	Unlimited size

## Falconer Plate Glass Corporation; Falconer, New York

SGCC-308	1/4	inch	tempered transparent glass	Unlimited size
SGCC-612	3/8	inch	tempered transparent glass	Unlimited size
SGCC-311	1/2	inch	tempered transparent glass	Unlimited size

## Feather-lite Manufacturing Company; Hot Springs, Arkansas

SGCC-11	3/16	inch	tempered transparent glass	Unlimited size
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## Flex-O-Glass, Inc.; Dixon, Illinois

SGCC-118	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
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## Ford Motor Company; Dearborn, Michigan

SGCC-341	1/8	inch	tempered transparent glass	Unlimited size
SGCC-396	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
SGCC-342	3/16	inch	tempered transparent glass	Unlimited size
SGCC-397	1/4	inch	tempered transparent glass	Unlimited size

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# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

Fourco Glass Company; Clarksburg, West Virginia

SGCC-297	1/8	inch	tempered transparent glass	Unlimited size
SGCC-291	3/16	inch	tempered transparent glass	Unlimited size
SGCC-292	7/32	inch	tempered transparent glass	Unlimited size
SGCC-293	1/4	inch	tempered transparent glass	Unlimited size

Fourco Glass Company; Fort Smith, Arkansas

SGCC- 36	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 35	7/32	inch	tempered transparent glass	Unlimited size
SGCC- 34	1/4	inch	tempered transparent glass	Unlimited size

General Electric Company; Mt. Vernon, Indiana

SGCC-506	0.080	inch	and greater thicknesses smooth extruded polycarbonate	Unlimited size
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General Glass Imports Corporation; Medias, Romania

SGCC-613	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
SGCC-590	3/16	inch	tempered transparent glass	Unlimited size

Gladwin, Inc.; Oakwood, Georgia

SGCC-557	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
SGCC-420	0.090	inch	pattern plastic (Indoor use only) (Ripple)	Unlimited size

Globe-Amerada Glass Company; Elk Grove Village; Illinois

SGCC-554	0.145	inch	laminated transparent glass	34" by 40"
SGCC-445	7/32	inch	laminated transparent glass	Unlimited size
SGCC-552	3/8	inch	laminated transparent glass (0.030 inch plastic)	Unlimited size

Guardian Industries Corporation; Carleton, Michigan

SGCC-406	3/16	inch	tempered transparent glass	Unlimited size
SGCC-131	1/4	inch	tempered transparent glass	Unlimited size
SGCC-160	3/8	inch	tempered transparent glass	Unlimited size
SGCC-263	1/2	inch	tempered transparent glass	Unlimited size

Guardian Industries Corporation; Fort Lauderdale, Florida

SGCC- 78	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 39	7/32	inch	tempered transparent glass	Unlimited size
SGCC- 40	1/4	inch	tempered transparent glass	Unlimited size
SGCC- 41	3/8	inch	tempered transparent glass	Unlimited size

Guardian Industries Corporation; Torrance, California

SGCC-409	3/16	inch	tempered transparent glass	Unlimited size
SGCC-425	7/32	inch	tempered transparent glass	Unlimited size
SGCC- 43	1/4	inch	tempered transparent glass	Unlimited size
SGCC- 97	3/8	inch	tempered transparent glass	Unlimited size
SGCC- 98	1/2	inch	tempered transparent glass	Unlimited size
SGCC-264	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

Guardian Industries Corporation; Upper Sandusky, Ohio

SGCC-458	7/32	inch	laminated transparent glass	Unlimited size
SGCC-487	1/4	inch	laminated transparent glass	Unlimited size
SGCC-484	3/8	inch	laminated transparent glass	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

Guardian Industries Corporation; Webster, Massachusetts

SGCC-300	1/8	inch	tempered transparent glass	Unlimited size
SGCC-104	3/16	inch	tempered transparent glass	Unlimited size
SGCC-602	1/4	inch	tempered transparent glass	Unlimited size
SGCC-471	3/8	inch	tempered transparent glass	Unlimited size

Hamilton of Indiana, Inc.; Vincennes, Indiana

SGCC- 54	1/8	inch	tempered transparent glass	Unlimited size
SGCC- 56	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 57	1/4	inch	tempered transparent glass	Unlimited size
SGCC-127	3/8	inch	tempered transparent glass	Unlimited size
SGCC-128	1/2	inch	tempered transparent glass	Unlimited size
SGCC-129	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

ICP Industries, Inc.; Miami, Florida

SGCC- 17	0.090	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Seaflair)	Unlimited size
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IRDA Greek Safety Glass Industrial Company, Inc.; Volos, Greece

SGCC-548	1/4	inch	laminated transparent glass	Unlimited size
SGCC-549	5/32:5/32	inch	laminated transparent glass	Unlimited size
SGCC-550	3/8	inch	laminated transparent glass	Unlimited size

K-S-H, Inc.; Crestwood, Missouri

SGCC- 99	0.100	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Glacial, Calypso, Roundel)	Unlimited size
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K-S-H, Inc.; Tustin, California

SGCC-573	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
SGCC-221	0.100	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Calypso, Glacial, Starlite, Roundel)	Unlimited size

K-S-H, Inc.; Xenia, Ohio

SGCC-136	0.060	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
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LOF Glass, Inc.; Laurinburg, North Carolina

SGCC-350	1/8	inch	tempered transparent glass	Unlimited size
SGCC-545	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
SGCC-351	3/16	inch	tempered transparent glass	Unlimited size
SGCC-352	1/4	inch	tempered transparent glass	Unlimited size
SGCC-373	5/16	inch	tempered transparent glass	Unlimited size
SGCC-374	3/8	inch	tempered transparent glass	Unlimited size
SGCC-375	1/2	inch	tempered transparent glass	Unlimited size

Laminated Glass Corporation; Detroit, Michigan

SGCC- 88	7/32	inch	laminated transparent glass	Unlimited size
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Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-450	SS/SS		laminated transparent glass	Unlimited size
SGCC-451	SS/DS		laminated transparent glass	Unlimited size
SGCC- 82	1/4	inch	laminated transparent glass	Unlimited size
SGCC-614	1/2	inch	laminated transparent glass (0.030 inch plastic)	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

Libbey-Owens-Ford Company; Rossford, Ohio

SGCC-386	3/16	inch	tempered transparent glass	Unlimited size
SGCC-19	1/4	inch	tempered transparent glass	Unlimited size
SGCC-464	5/16	inch	tempered transparent glass	Unlimited size
SGCC-449	3/8	inch	tempered transparent glass	Unlimited size
SGCC-150	1/2	inch	tempered transparent glass	Unlimited size
SGCC-544	5/8	inch	tempered transparent glass	Unlimited size
SGCC-151	3/4	inch	tempered transparent glass	Unlimited size
SGCC-444	7/8	inch	tempered transparent glass	Unlimited size

Manchester Products Company; Chatsworth, California

SGCC-567	0.100	inch	smooth extruded acrylic	Unlimited size
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Minex-Poland; Jaroszwieć, Poland

SGCC-476	3/16	inch	tempered transparent glass	Unlimited size
SGCC-140	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

Mitsubishi Rayon Company, Ltd.; Ohtake, Japan

SGCC-496	0.080	inch	and greater thicknesses smooth cast acrylic	Unlimited size
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Northwestern Industries, Inc.; Seattle, Washington

SGCC-478	1/8	inch	tempered transparent glass	Unlimited size
SGCC-479	3/16	inch	tempered transparent glass	Unlimited size
SGCC-481	1/4	inch	tempered transparent glass	Unlimited size
SGCC-500	3/8	inch	tempered transparent glass	Unlimited size
SGCC-501	1/2	inch	tempered transparent glass	Unlimited size
SGCC-502	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC-187	1/8	inch	tempered transparent glass	Unlimited size
SGCC-185	3/16	inch	tempered transparent glass	Unlimited size
SGCC-279	7/32	inch	tempered transparent glass	Unlimited size
SGCC-186	1/4	inch	tempered transparent glass	Unlimited size
SGCC-203	1/8	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-565	1/8	inch	tempered pattern glass (medium patterns)	Unlimited size
SGCC-188	3/16	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-328	3/16	inch	tempered pattern glass (deep patterns)	Unlimited size
SGCC-562	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-238	7/32	inch	tempered pattern glass (medium patterns)	Unlimited size

PPG Industries, Inc.; Baltimore, Maryland

SGCC-454	3/16	inch	tempered transparent glass	Unlimited size
SGCC-455	1/4	inch	tempered transparent glass	Unlimited size
SGCC-474	3/8	inch	tempered transparent glass	Unlimited size
SGCC-475	1/2	inch	tempered transparent glass	Unlimited size
SGCC-456	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

PPG Industries, Inc.; Carlisle, Pennsylvania

SGCC-250	1/8	inch	tempered transparent glass	Unlimited size
SGCC-249	3/16	inch	tempered transparent glass	Unlimited size
SGCC-382	1/4	inch	tempered transparent glass	Unlimited size

PPG Industries, Inc.; Chicago, Illinois

SGCC-266	3/16	inch	tempered transparent glass	Unlimited size
SGCC-267	1/4	inch	tempered transparent glass	Unlimited size
SGCC-272	3/8	inch	tempered transparent glass	Unlimited size
SGCC-273	1/2	inch	tempered transparent glass	Unlimited size
SGCC-566	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

PPG Industries, Inc.; Creighton, Pennsylvania			Unlimited size
SGCC-114	1/4 inch	laminated transparent glass	
PPG Industries, Inc.; Crestline, Ohio			Unlimited size
SGCC-60	1/8 inch	tempered transparent glass	Unlimited size
SGCC-65	3/16 inch	tempered transparent glass	26 3/4" by 72"
SGCC-102	1/4 inch	tempered transparent glass	Unlimited size
SGCC-446	3/16 inch	tempered pattern glass (deep patterns)	
PPG Industries, Inc.; Dallas, Texas			Unlimited size
SGCC-400	3/16 inch	tempered transparent glass	Unlimited size
SGCC-402	1/4 inch	tempered transparent glass	Unlimited size
SGCC-405	3/8 inch	tempered transparent glass	Unlimited size
SGCC-403	1/2 inch	tempered transparent glass	Unlimited size
SGCC-404	7/32 inch	tempered pattern glass (shallow patterns)	
PPG Industries, Inc.; Ford City, Pennsylvania			Unlimited size
SGCC-61	3/16 inch	tempered transparent glass	Unlimited size
SGCC-70	1/4 inch	tempered transparent glass	Unlimited size
SGCC-74	3/8 inch	tempered transparent glass	Unlimited size
SGCC-75	1/2 inch	tempered transparent glass	Unlimited size
SGCC-248	3/4 inch	tempered transparent glass	
PPG Industries, Inc.; Fresno, California			Unlimited size
SGCC-295	1/8 inch	tempered transparent glass	Unlimited size
SGCC-64	3/16 inch	tempered transparent glass	Unlimited size
SGCC-73	1/4 inch	tempered transparent glass	Unlimited size
SGCC-384	1/8 inch	tempered pattern glass (medium patterns)	
PPG Industries, Inc.; Miami, Florida			Unlimited size
SGCC-195	3/16 inch	tempered transparent glass	Unlimited size
SGCC-194	1/4 inch	tempered transparent glass	Unlimited size
SGCC-196	3/8 inch	tempered transparent glass	Unlimited size
SGCC-200	1/2 inch	tempered transparent glass	Unlimited size
SGCC-219	7/32 inch	tempered pattern glass (shallow patterns)	
PPG Industries, Inc.; Mt. Zion, Illinois			Unlimited size
SGCC-59	1/8 inch	tempered transparent glass	Unlimited size
SGCC-63	3/16 inch	tempered transparent glass	
PPG Industries, Inc.; Westboro, Massachusetts			Unlimited size
SGCC-427	3/16 inch	tempered transparent glass	Unlimited size
SGCC-426	1/4 inch	tempered transparent glass	Unlimited size
SGCC-429	3/8 inch	tempered transparent glass	Unlimited size
SGCC-430	1/2 inch	tempered transparent glass	Unlimited size
SGCC-431	7/32 inch	tempered pattern glass (shallow patterns)	
Plaskolite, Inc.; Columbus, Ohio			Unlimited size
SGCC-152	0.080 inch	through 0.125 inch smooth extruded acrylic	
Robeco Products, Inc.; Tainan, Taiwan			Unlimited size
SGCC-210	0.080 inch	and greater thicknesses smooth cast acrylic	
Rohm and Haas Company; Kensington, Connecticut			Unlimited size
SGCC-558	0.090 inch	and greater thicknesses smooth extruded polycarbonate	



# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

Rohm and Haas Company; Knoxville, Tennessee			
SGCC-153	0.080 inch and greater thicknesses smooth cast acrylic		Unlimited size
Rohm and Haas Company; Louisville, Kentucky			
SGCC-154	0.080 inch and greater thicknesses smooth cast acrylic		Unlimited size
Rotuba Extruders, Inc.; Linden, New Jersey			
SGCC-316	0.080 inch and greater thicknesses smooth extruded acrylic		Unlimited size
Safelite Industries; Denver, Colorado			
SGCC-237	1/4 inch laminated transparent glass		Unlimited size
Safelite Industries; Wichita, Kansas			
SGCC-225	1/8 inch tempered transparent glass		Unlimited size
Sheffield Plastics, Inc.; Sheffield, Massachusetts			
SGCC-173	0.080 inch through 0.125 inch smooth extruded acrylic		Unlimited size
SGCC-359	0.060 inch and greater thicknesses smooth extruded polycarbonate		Unlimited size
Societa Italiana Vetro, S.p.A.; San Salvo, Italy			
SGCC-555	7/32 inch polished wired glass (1/2 inch square mesh)		Unlimited size
SGCC-556	1/4 inch polished wired glass (3/4 inch diamond mesh)		Unlimited size
Southern Plastics Company; Columbia, South Carolina			
SGCC-162	0.080 inch through 0.125 inch smooth extruded acrylic		Unlimited size
SGCC-18	0.080 inch through 3/16 inch pattern extruded plastic (Indoor use only) (Cracked Ice, Rip L, Cortina)		Unlimited size
Swedcast Corporation; Florence, Kentucky			
SGCC-559	0.080 inch and greater thicknesses smooth cast acrylic (SWEDGLAZE SG)		Unlimited size
SGCC-560	0.080 inch and greater thicknesses smooth cast acrylic (SWEDGLAZE SG-B)		Unlimited size
Taylor Products, Inc.; Payne, Ohio			
SGCC-190	3/16 inch tempered transparent glass		Unlimited size
SGCC-192	7/32 inch tempered transparent glass		Unlimited size
SGCC-189	1/4 inch tempered transparent glass		Unlimited size
SGCC-191	7/32 inch tempered pattern glass (shallow patterns)		Unlimited size
Tempered Glass Corporation; Tampa, Florida			
SGCC-347	3/16 inch tempered transparent glass		Unlimited size
SGCC-337	1/4 inch tempered transparent glass		Unlimited size
SGCC-348	3/8 inch tempered transparent glass		Unlimited size
SGCC-338	1/2 inch tempered transparent glass		Unlimited size
SGCC-421	7/32 inch tempered pattern glass (shallow patterns)		Unlimited size
Tempglass, Inc.; Perrysburg, Ohio			
SGCC-592	3/16 inch tempered transparent glass		Unlimited size
SGCC-593	1/4 inch tempered transparent glass		Unlimited size
SGCC-594	3/8 inch tempered transparent glass		Unlimited size
SGCC-595	1/2 inch tempered transparent glass		Unlimited size
SGCC-596	3/16 inch tempered pattern glass (shallow patterns)		Unlimited size
SGCC-597	7/32 inch tempered pattern glass (shallow patterns)		Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

Temp-Safe, Inc.; Edmond, Oklahoma

SGCC-440	3/16	inch	tempered transparent glass
SGCC-441	1/4	inch	tempered transparent glass
SGCC-532	3/8	inch	tempered transparent glass
SGCC-488	1/2	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Texas Tempered Glass Company; Houston, Texas

SGCC-110	3/16	inch	tempered transparent glass
SGCC-137	1/4	inch	tempered transparent glass
SGCC-138	7/32	inch	tempered pattern glass (shallow patterns)
SGCC-570	7/32	inch	laminated transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Tudor Safety Glass Company, Ltd.; Queenborough, Kent, England

SGCC-269	1/4	inch	laminated transparent glass
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Unlimited size

Tuf-flex Glass, Inc.; Atlanta, Georgia

SGCC-320	3/16	inch	tempered transparent glass
SGCC-321	1/4	inch	tempered transparent glass
SGCC-322	3/8	inch	tempered transparent glass
SGCC-323	1/2	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Tuf-flex Glass, Inc.; Elmhurst, Illinois

SGCC-257	3/16	inch	tempered transparent glass
SGCC-229	1/4	inch	tempered transparent glass
SGCC-258	3/8	inch	tempered transparent glass
SGCC-270	1/2	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Tuf-flex Glass, Inc.; Irving, Texas

SGCC-389	3/16	inch	tempered transparent glass
SGCC-390	1/4	inch	tempered transparent glass
SGCC-391	3/8	inch	tempered transparent glass
SGCC-392	1/2	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Tuf-flex Glass, Inc.; Saddle Brook, New Jersey

SGCC-525	3/16	inch	tempered transparent glass
SGCC-298	1/4	inch	tempered transparent glass
SGCC-314	3/8	inch	tempered transparent glass
SGCC-315	1/2	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Tuf-flex Glass, Inc.; Union City, California

SGCC-490	3/16	inch	tempered transparent glass
SGCC-491	1/4	inch	tempered transparent glass
SGCC-482	3/8	inch	tempered transparent glass
SGCC-483	1/2	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Tyre Brothers Glass Company; Los Angeles, California

SGCC-252	3/16	inch	tempered transparent glass
SGCC-253	1/4	inch	tempered transparent glass
SGCC-254	3/8	inch	tempered transparent glass
SGCC-255	1/2	inch	tempered transparent glass
SGCC-256	7/32	inch	tempered pattern glass (shallow patterns)

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

Vidrierias De Llodio, S.A.; Alava, Spain

SGCC-286	1/8	inch	tempered transparent glass
SGCC-448	5/32	inch	tempered transparent glass (32 ounce)
SGCC-38	3/16	inch	tempered transparent glass
SGCC-37	7/32	inch	tempered transparent glass

Unlimited size  
Unlimited size  
Unlimited size  
Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 21

Vidrios Securit, S.A.; Barranquilla, Colombia

SGCC-574	1/8	inch	tempered transparent glass	Unlimited size
SGCC-575	3/16	inch	tempered transparent glass	Unlimited size
SGCC-576	7/32	inch	tempered transparent glass	Unlimited size

Viracon, Inc.; Owatonna, Minnesota

SGCC-227	3/16	inch	tempered transparent glass	Unlimited size
SGCC-228	1/4	inch	tempered transparent glass	Unlimited size
SGCC-463	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size
SGCC-233	SS/DS		laminated transparent glass	Unlimited size
SGCC-232	1/4	inch	laminated transparent glass	Unlimited size

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 12	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 14	1/4	inch	tempered transparent glass	Unlimited size
SGCC- 93	3/8	inch	tempered transparent glass	Unlimited size
SGCC- 94	1/2	inch	tempered transparent glass	Unlimited size
SGCC- 95	3/4	inch	tempered transparent glass	Unlimited size
SGCC- 92	7/32	inch	tempered pattern glass (shallow patterns)	Unlimited size

Visador Company; Jasper, Texas

SGCC-470	1/8	inch	leaded transparent glass	
			4.20 by 9.89 inch and 3.76 by 7.95 inch diamonds	25" by 67"
SGCC-509	1/8	inch	leaded annealed pattern glass (Cathedral)	
			3.76 by 7.95 inch and 4.35 by 9.85 inch diamonds	25" by 67"
			3.24 by 8.04 inch diamond	22" by 72"
SGCC-510	3/16	inch	leaded annealed pattern glass (Flemish)	
			3.76 by 7.95 inch and 4.32 by 9.86 inch diamonds	25" by 67"
			3.24 by 8.01 inch diamond	22" by 72"

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## CLASSIFIED TEMPERED GLASS PATTERNS

### 1/8 inch shallow

Aquatex	Muralex
Factrolite	P-516
Finetex	Ribbed
Industrex	Spray Lite
Luxlite	Velvex

### 1/8 inch medium

Burlap	Pattern 73
Cotswold	Rattan
Flex	Seashell
Flemish	Skytex
Patchwork	Smooth Rough

### 1/8 inch deep

Autumn

### 3/16 inch shallow

Pattern 62	Shower lite
P-516	

### 3/16 inch deep

Lozenge	Roundel
Oceanic	

### 7/32 inch shallow

Aquatex	Pattern 6
Burlap	Pattern 62
Cascade	Pattern 100
Factrolite	Pluralite
Flax	Satinlite
Industrex	Skytex
J-3	Smooth Rough
Luxlite	Spray Lite
Muralex	Velvex
P-516	

### 7/32 inch medium

Beadex	Seashell
Flemish	Syenite
	Textured Linex

### 7/32 inch deep

Broad lite	Lozenge
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# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 10

## TEMPERED TRANSPARENT GLASS

### 1/8 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC-598	Unlimited size
Anglass Industries, Inc.; San Fernando, California	SGCC-520	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC-583	16" by 19"
M. L. Burke Company; Cornwells Heights, Pennsylvania	SGCC-415	Unlimited size
C-E Glass; Carson, California	SGCC-453	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-489	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-184	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-360	Unlimited size
Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario	SGCC-251	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC-341	Unlimited size
Fourco Glass Company; Clarksburg, West Virginia	SGCC-297	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-300	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC- 54	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-350	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-478	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-187	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC-250	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC- 60	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC-295	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 59	Unlimited size
Safelite Industries; Wichita, Kansas	SGCC-225	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC-286	Unlimited size
Vidrios Securit, S.A.; Barranquilla, Colombia	SGCC-574	Unlimited size

### 5/32 inch tempered transparent glass (32 ounce)

C-E Glass; Cinnaminson, New Jersey	SGCC-503	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC-396	Unlimited size
General Glass Imports Corporation; Medias, Romania	SGCC-613	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-545	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC-448	Unlimited size

### 3/16 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC-220	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee	SGCC- 28	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC-584	18" by 24"
Asahi Glass Company, Ltd.; Tokyo, Japan	SGCC- 46	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania	SGCC-274	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-407	Unlimited size
C-E Glass; Bensenville, Illinois	SGCC-569	Unlimited size
C-E Glass; Carson, California	SGCC-410	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-245	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-145	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street	SGCC-330	30" by 39"
C-E Glass; Miami, Florida	SGCC- 76	Unlimited size
C-E Glass; Tampa, Florida	SGCC-385	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-336	Unlimited size
Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario	SGCC-209	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-526	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## 3/16 inch tempered transparent glass - continued

Downey Glass Company; Los Angeles, California  
Feather-lite Manufacturing Company; Hot Springs, Arkansas  
Ford Motor Company; Dearborn, Michigan  
Fourco Glass Company; Clarksburg, West Virginia  
Fourco Glass Company; Fort Smith, Arkansas  
General Glass Imports Corporation; Medias, Romania  
Guardian Industries Corporation; Carleton, Michigan  
Guardian Industries Corporation; Fort Lauderdale, Florida  
Guardian Industries Corporation; Torrance, California  
Guardian Industries Corporation; Webster, Massachusetts  
Hamilton of Indiana, Inc.; Vincennes, Indiana  
LOF Glass, Inc.; Laurinburg, North Carolina  
Libbey-Owens-Ford Company; Rossford, Ohio  
Minex-Poland; Jaroszwiec, Poland  
Northwestern Industries, Inc.; Seattle, Washington  
Ohio Plate Glass Company; Lewisburg, Ohio  
PPG Industries, Inc.; Baltimore, Maryland  
PPG Industries, Inc.; Carlisle, Pennsylvania  
PPG Industries, Inc.; Chicago, Illinois  
PPG Industries, Inc.; Crestline, Ohio  
PPG Industries, Inc.; Dallas, Texas  
PPG Industries, Inc.; Ford City, Pennsylvania  
PPG Industries, Inc.; Fresno, California  
PPG Industries, Inc.; Miami, Florida  
PPG Industries, Inc.; Mt. Zion, Illinois  
PPG Industries, Inc.; Westboro, Massachusetts  
Taylor Products, Inc.; Payne, Ohio  
Tempered Glass Corporation; Tampa, Florida  
Tempglass, Inc.; Perrysburg, Ohio  
Temp-Safe, Inc.; Edmond, Oklahoma  
Texas Tempered Glass Company; Houston, Texas  
Tuf-flex Glass, Inc.; Atlanta, Georgia  
Tuf-flex Glass, Inc.; Elmhurst, Illinois  
Tuf-flex Glass, Inc.; Irving, Texas  
Tuf-flex Glass, Inc.; Saddle Brook, New Jersey  
Tuf-flex Glass, Inc.; Union City, California  
Tyre Brothers Glass Company; Los Angeles, California  
Vidrierias De Llodio, S. A.; Alava, Spain  
Vidrios Securit, S.A.; Barranquilla, Colombia  
Viracon, Inc.; Owatonna, Minnesota  
Virginia Glass Products Corporation; Martinsville, Virginia

SGCC-512 Unlimited size  
SGCC- 11 Unlimited size  
SGCC-342 Unlimited size  
SGCC-291 Unlimited size  
SGCC- 36 Unlimited size  
SGCC-590 Unlimited size  
SGCC-406 Unlimited size  
SGCC- 78 Unlimited size  
SGCC-409 Unlimited size  
SGCC-104 Unlimited size  
SGCC- 56 Unlimited size  
SGCC-351 Unlimited size  
SGCC-386 Unlimited size  
SGCC-476 Unlimited size  
SGCC-479 Unlimited size  
SGCC-185 Unlimited size  
SGCC-454 Unlimited size  
SGCC-249 Unlimited size  
SGCC-266 Unlimited size  
SGCC- 65 Unlimited size  
SGCC-400 Unlimited size  
SGCC- 61 Unlimited size  
SGCC- 64 Unlimited size  
SGCC-195 Unlimited size  
SGCC- 63 Unlimited size  
SGCC-427 Unlimited size  
SGCC-190 Unlimited size  
SGCC-347 Unlimited size  
SGCC-592 Unlimited size  
SGCC-440 Unlimited size  
SGCC-110 Unlimited size  
SGCC-320 Unlimited size  
SGCC-257 Unlimited size  
SGCC-389 Unlimited size  
SGCC-525 Unlimited size  
SGCC-490 Unlimited size  
SGCC-252 Unlimited size  
SGCC- 38 Unlimited size  
SGCC-575 Unlimited size  
SGCC-227 Unlimited size  
SGCC- 12 Unlimited size

## 7/32 inch tempered transparent glass

C-E Glass; Lancaster, Ohio; Slocum Street  
Fourco Glass Company; Clarksburg, West Virginia  
Fourco Glass Company; Fort Smith, Arkansas  
Guardian Industries Corporation; Fort Lauderdale, Florida  
Guardian Industries Corporation; Torrance, California  
Ohio Plate Glass Company; Lewisburg, Ohio

SGCC-331 30" by 39"  
SGCC-292 Unlimited size  
SGCC- 35 Unlimited size  
SGCC- 39 Unlimited size  
SGCC-425 Unlimited size  
SGCC-279 Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## 7/32 inch tempered transparent glass - continued

Taylor Products, Inc.; Payne, Ohio  
Vidrierias De Llodio, S.A.; Alava, Spain  
Vidrios Securit, S.A.; Barranquilla, Colombia

SGCC-192 Unlimited size  
SGCC- 37 Unlimited size  
SGCC-576 Unlimited size

## 1/4 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee  
ASG Industries, Inc.; Kingsport, Tennessee  
Armour Laminated Glass Company, Inc.; Brooklyn, New York  
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California  
Artistic Glass Products Company; Trumbauersville, Pennsylvania  
C-E Glass; Atlanta, Georgia  
C-E Glass; Bensenville, Illinois  
C-E Glass; Carson, California  
C-E Glass; Cinnaaminson, New Jersey  
C-E Glass; Lancaster, Ohio; Quarry Road  
C-E Glass; Lancaster, Ohio; Slocum Street  
C-E Glass; Miami, Florida  
C-E Glass; Tampa, Florida  
C-E Glass; Warrenton, Missouri  
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania  
Downey Glass Company; Los Angeles, California  
Falconer Plate Glass Corporation; Falconer, New York  
Ford Motor Company; Dearborn, Michigan  
Fourco Glass Company; Clarksburg, West Virginia  
Fourco Glass Company; Fort Smith, Arkansas  
Guardian Industries Corporation; Carleton, Michigan  
Guardian Industries Corporation; Fort Lauderdale, Florida  
Guardian Industries Corporation; Torrance, California  
Guardian Industries Corporation; Webster, Massachusetts  
Hamilton of Indiana, Inc.; Vincennes, Indiana  
LOF Glass, Inc.; Laurinburg, North Carolina  
Libbey-Owens-Ford Company; Rossford, Ohio  
Northwestern Industries, Inc.; Seattle, Washington  
Ohio Plate Glass Company; Lewisburg, Ohio  
PPG Industries, Inc.; Baltimore, Maryland  
PPG Industries, Inc.; Carlisle, Pennsylvania  
PPG Industries, Inc.; Chicago, Illinois  
PPG Industries, Inc.; Crestline, Ohio  
PPG Industries, Inc.; Dallas, Texas  
PPG Industries, Inc.; Ford City, Pennsylvania  
PPG Industries, Inc.; Fresno, California  
PPG Industries, Inc.; Miami, Florida  
PPG Industries, Inc.; Westboro, Massachusetts  
Taylor Products, Inc.; Payne, Ohio  
Tempered Glass Corporation; Tampa, Florida  
Tempglass, Inc.; Perrysburg, Ohio  
Temp-Safe, Inc.; Edmond, Oklahoma  
Texas Tempered Glass Company; Houston, Texas

SGCC- 89 Unlimited size  
SGCC- 24 Unlimited size  
SGCC-521 Unlimited size  
SGCC-205 Unlimited size  
SGCC-585 18" by 24"  
SGCC-108 Unlimited size  
SGCC-318 Unlimited size  
SGCC-411 Unlimited size  
SGCC-246 Unlimited size  
SGCC-146 Unlimited size  
SGCC-332 30" by 39"  
SGCC- 49 Unlimited size  
SGCC- 47 Unlimited size  
SGCC-361 Unlimited size  
SGCC-157 Unlimited size  
SGCC-514 Unlimited size  
SGCC-308 Unlimited size  
SGCC-397 Unlimited size  
SGCC-293 Unlimited size  
SGCC- 34 Unlimited size  
SGCC-131 Unlimited size  
SGCC- 40 Unlimited size  
SGCC- 43 Unlimited size  
SGCC-602 Unlimited size  
SGCC- 57 Unlimited size  
SGCC-352 Unlimited size  
SGCC- 19 Unlimited size  
SGCC-481 Unlimited size  
SGCC-186 Unlimited size  
SGCC-455 Unlimited size  
SGCC-382 Unlimited size  
SGCC-267 Unlimited size  
SGCC-102 26 3/4" by 72"  
SGCC-402 Unlimited size  
SGCC- 70 Unlimited size  
SGCC- 73 Unlimited size  
SGCC-194 Unlimited size  
SGCC-426 Unlimited size  
SGCC-189 Unlimited size  
SGCC-337 Unlimited size  
SGCC-593 Unlimited size  
SGCC-441 Unlimited size  
SGCC-137 Unlimited size



# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## 1/4 inch tempered transparent glass - continued

Tuf-flex Glass, Inc.; Atlanta, Georgia	SGCC-321	Unlimited size
Tuf-flex Glass, Inc.; Elmhurst, Illinois	SGCC-229	Unlimited size
Tuf-flex Glass, Inc.; Irving, Texas	SGCC-390	Unlimited size
Tuf-flex Glass, Inc.; Saddle Brook, New Jersey	SGCC-298	Unlimited size
Tuf-flex Glass, Inc.; Union City, California	SGCC-491	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-253	Unlimited size
Viracon, Inc.; Owatonna, Minnesota	SGCC-228	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 14	Unlimited size

## 5/16 inch tempered transparent glass

LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-373	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-464	Unlimited size

## 3/8 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC- 90	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-371	Unlimited size
C-E Glass; Carson, California	SGCC-412	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-345	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-181	Unlimited size
Downey Glass Company; Los Angeles, California	SGCC-515	Unlimited size
Falconer Plate Glass Corporation; Falconer, New York	SGCC-612	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC-160	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 41	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 97	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-471	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC-127	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-374	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-449	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-500	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC-474	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC-272	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC-405	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 74	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC-196	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts	SGCC-429	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-348	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC-594	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC-532	Unlimited size
Tuf-flex Glass, Inc.; Atlanta, Georgia	SGCC-322	Unlimited size
Tuf-flex Glass, Inc.; Elmhurst, Illinois	SGCC-258	Unlimited size
Tuf-flex Glass, Inc.; Irving, Texas	SGCC-391	Unlimited size
Tuf-flex Glass, Inc.; Saddle Brook, New Jersey	SGCC-314	Unlimited size
Tuf-flex Glass, Inc.; Union City, California	SGCC-482	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-254	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 93	Unlimited size

## 1/2 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC- 91	Unlimited size
Armour Laminated Glass Company, Inc.; Brooklyn, New York	SGCC-522	Unlimited size
C-E Glass; Carson, California	SGCC-413	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-346	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-102	Unlimited size

# **CERTIFIED PRODUCTS BY PRODUCT TYPE**

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## 1/2 inch tempered transparent glass - continued

Downey Glass Company; Los Angeles, California	SGCC-516	Unlimited size
Falconer Plate Glass Corporation; Falconer, New York	SGCC-311	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC-263	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 98	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC-128	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-375	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-150	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-501	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC-475	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC-273	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC-403	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 75	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC-200	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts	SGCC-430	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-338	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC-595	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC-488	Unlimited size
Tuf-flex Glass, Inc.; Atlanta, Georgia	SGCC-323	Unlimited size
Tuf-flex Glass, Inc.; Elmhurst, Illinois	SGCC-270	Unlimited size
Tuf-flex Glass, Inc.; Irving, Texas	SGCC-392	Unlimited size
Tuf-flex Glass, Inc.; Saddle Brook, New Jersey	SGCC-315	Unlimited size
Tuf-flex Glass, Inc.; Union City, California	SGCC-483	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-255	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 94	Unlimited size

## 5/8 inch tempered transparent glass

Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-544	Unlimited size
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## 3/4 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC-547	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-151	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC-248	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 95	Unlimited size

## 7/8 inch tempered transparent glass

Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-444	Unlimited size
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## **TEMPERED PATTERN GLASS**

### 1/8 inch tempered pattern glass

ASG Industries, Inc.; Greenland, Tennessee (shallow patterns)	SGCC-587	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (shallow patterns)	SGCC-141	Unlimited size
C-E Glass; Carson, California (shallow patterns)	SGCC-452	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road (shallow patterns)	SGCC-563	27" by 69"
C-E Glass; Warrenton, Missouri (shallow patterns)	SGCC-511	30" by 70"
Ohio Plate Glass Company; Lewisburg, Ohio (shallow patterns)	SGCC-203	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (medium patterns)	SGCC-565	Unlimited size
PPG Industries, Inc.; Fresno, California (medium patterns)	SGCC-384	Unlimited size

### 3/16 inch tempered pattern glass

C-E Glass; Carson, California (shallow patterns)	SGCC-414	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (shallow patterns)	SGCC-188	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (deep patterns)	SGCC-328	Unlimited size
PPG Industries, Inc.; Crestline, Ohio (deep patterns)	SGCC-446	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio (shallow patterns)	SGCC-596	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## 7/32 inch tempered pattern glass

ASG Industries, Inc.; Greenland, Tennessee (shallow patterns)	SGCC-588	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (shallow patterns)	SGCC- 31	Unlimited size
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California (shallow patterns)	SGCC-206	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania (shallow patterns)	SGCC-589	Unlimited size
C-E Glass; Atlanta, Georgia (shallow patterns)	SGCC-125	Unlimited size
C-E Glass; Cinnaminson, New Jersey (shallow patterns)	SGCC-265	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street (shallow patterns)	SGCC-333	22" by 36"
C-E Glass; Miami, Florida (shallow patterns)	SGCC- 50	Unlimited size
C-E Glass; Tampa, Florida (shallow patterns)	SGCC-201	Unlimited size
C-E Glass; Warrenton, Missouri (shallow patterns)	SGCC-344	Unlimited size
Guardian Industries Corporation; Torrance, California (shallow patterns)	SGCC-264	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana (shallow patterns)	SGCC-129	Unlimited size
Minex-Poland; Jaroszwiec, Poland (shallow patterns)	SGCC-140	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington (shallow patterns)	SGCC-502	Unlimited size
Ohio Plate Glass Co.; Lewisburg, Ohio (shallow patterns)	SGCC-562	Unlimited size
Ohio Plate Glass Co.; Lewisburg, Ohio (medium patterns)	SGCC-238	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland (shallow patterns)	SGCC-456	Unlimited size
PPG Industries, Inc.; Chicago, Illinois (shallow patterns)	SGCC-566	Unlimited size
PPG Industries, Inc.; Dallas, Texas (shallow patterns)	SGCC-404	Unlimited size
PPG Industries, Inc.; Miami, Florida (shallow patterns)	SGCC-219	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts (shallow patterns)	SGCC-431	Unlimited size
Taylor Products, Inc.; Payne, Ohio (shallow patterns)	SGCC-191	Unlimited size
Tempered Glass Corporation; Tampa, Florida (shallow patterns)	SGCC-421	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC-597	Unlimited size
Texas Tempered Glass Company; Houston, Texas (shallow patterns)	SGCC-138	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California (shallow patterns)	SGCC-256	Unlimited size
Viracon, Inc.; Owatonna, Minnesota (shallow patterns)	SGCC-463	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia (shallow patterns)	SGCC- 92	Unlimited size

## LAMINATED TRANSPARENT GLASS

### 0.145 inch laminated transparent glass

Globe-Amerada Glass Company; Elk Grove Village, Illinois	SGCC-554	34" by 40"
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### SS/SS laminated transparent glass

Libbey-Owens-Ford Company; East Toledo, Ohio	SGCC-450	Unlimited size
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### SS/DS laminated transparent glass

Libbey-Owens-Ford Company; East Toledo, Ohio	SGCC-451	Unlimited size
Viracon, Inc.; Owatonna, Minnesota	SGCC-233	Unlimited size

### 7/32 inch laminated transparent glass

ASG Industries, Inc.; Kingsport, Tennessee	SGCC- 27	Unlimited size
Buchmin Industries; Reedley, California	SGCC-561	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-378	Unlimited size
Dearborn Glass Company; Bedford Park, Illinois	SGCC-147	Unlimited size
Globe-Amerada Glass Company; Elk Grove Village, Illinois	SGCC-445	Unlimited size
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC-458	Unlimited size
Laminated Glass Corporation; Detroit, Michigan	SGCC- 88	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC-570	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## 1/4 inch laminated transparent glass

ASG Industries, Inc.; Kingsport, Tennessee	SGCC- 26	Unlimited size
Armour Laminated Glass Company, Inc.; Brooklyn, New York	SGCC-533	Unlimited size
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California (0.030 inch plastic)		
Buchmin Industries; Reedley, California	SGCC-357	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-564	Unlimited size
Central Glass Company, Ltd.; Tokyo, Japan	SGCC-419	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-553	Unlimited size
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC-379	Unlimited size
IRDA Greek Safety Glass Industrial Company, Inc.; Volos, Greece	SGCC-487	Unlimited size
Libbey-Owens-Ford Company; East Toledo, Ohio	SGCC-548	Unlimited size
PPG Industries, Inc.; Creighton, Pennsylvania	SGCC- 82	Unlimited size
Safelite Industries; Denver, Colorado	SGCC-114	Unlimited size
Tudor Safety Glass Company, Ltd.; Queenborough, Kent, England	SGCC-237	Unlimited size
Viracon, Inc.; Owatonna, Minnesota	SGCC-269	Unlimited size
	SGCC-232	Unlimited size

## 5/32:5/32 inch laminated transparent glass

IRDA Greek Safety Glass Industrial Company, Inc.; Volos, Greece	SGCC-549	Unlimited size
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## 3/8 inch laminated transparent glass

Armour Laminated Glass Company; Brooklyn, New York	SGCC-551	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-380	Unlimited size
Globe-Amerada Glass Company; Elk Grove Village, Illinois (0.030 inch plastic)		
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC-552	Unlimited size
IRDA Greek Safety Glass Industrial Company, Inc.; Volos, Greece	SGCC-484	Unlimited size
	SGCC-550	Unlimited size

## 1/8:1/4 inch laminated transparent glass

ASG Industries, Inc.; Kingsport, Tennessee	SGCC-499	Unlimited size
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## 1/2 inch laminated transparent glass

Armour Laminated Glass Company, Inc.; Brooklyn, New York	SGCC-534	Unlimited size
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California (0.030 inch plastic)		
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-358	Unlimited size
Libbey-Owens-Ford Company; East Toledo, Ohio (0.030 inch plastic)	SGCC-381	Unlimited size
	SGCC-614	Unlimited size

## TRANSPARENT WIRED GLASS

### 7/32 inch polished wired glass

Societa Italiana Vetro, S.p.A.; San Salvo, Italy (1/2 inch square mesh)	SGCC-555	Unlimited size
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### 1/4 inch polished wired glass

ASG Industries, Inc.; Kingsport, Tennessee (3/4 inch diamond mesh)	SGCC-536	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe, 1/2 inch parallel)		
C-E Glass; St. Louis, Missouri; (3/4 inch diamond mesh)	SGCC-217	Unlimited size
Central Glass Company Ltd.; Tokyo, Japan (3/4 inch diamond mesh)	SGCC-571	Unlimited size
Central Glass Company Ltd.; Tokyo, Japan (1/2 inch square mesh)	SGCC-508	Unlimited size
Societa Italiana Vetro, S.p.A.; San Salvo, Italy (3/4 inch diamond mesh)	SGCC-543	Unlimited size
	SGCC-556	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

## PATTERN WIRED GLASS

### 7/32 inch pattern wired glass

ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe; 1/2 inch parallel) (Finetex)

SGCC-582 Unlimited size

## SAFETY PLASTIC SHEET

### 0.060 inch and greater thicknesses polycarbonate

Sheffield Plastics, Inc.; Sheffield, Massachusetts (extruded; smooth)

SGCC-359 Unlimited size

### 0.060 inch through 0.125 inch acrylic

K-S-H, Inc.; Xenia, Ohio (extruded; smooth)

SGCC-136 Unlimited size

### 0.080 inch and greater thicknesses acrylic

American Cyanamid Company; Sanford, Maine (cast; smooth)

SGCC-183 Unlimited size

Mitsubishi Rayon Company, Ltd.; Ohtake, Japan (cast; smooth)

SGCC-496 Unlimited size

Robeco Products, Inc.; Tainan, Taiwan (cast; smooth)

SGCC-210 Unlimited size

Rohm and Haas Company; Knoxville, Tennessee (cast; smooth)

SGCC-153 Unlimited size

Rohm and Haas Company; Louisville, Kentucky (cast; smooth)

SGCC-154 Unlimited size

Rotuba Extruders, Inc.; Linden, New Jersey (extruded; smooth)

SGCC-316 Unlimited size

Swedcast Corporation; Florence, Kentucky (cast; smooth)

SGCC-559 Unlimited size

(SWEDGLAZE SG)

Swedcast Corporation; Florence, Kentucky (cast; smooth)

SGCC-560 Unlimited size

(SWEDGLAZE SG-B)

### 0.080 and greater thicknesses polycarbonate

General Electric Company; Mt. Vernon, Indiana (extruded; smooth)

SGCC-506 Unlimited size

### 0.080 inch through 0.125 inch acrylic

Flex-O-Glass, Inc.; Dixon, Illinois (extruded; smooth)

SGCC-118 Unlimited size

Gladwin, Inc.; Oakwood, Georgia (extruded; smooth)

SGCC-557 Unlimited size

K-S-H, Inc.; Tustin, California (extruded; smooth)

SGCC-573 Unlimited size

Plaskolite, Inc.; Columbus, Ohio (extruded; smooth)

SGCC-152 Unlimited size

Sheffield Plastics, Inc.; Sheffield, Massachusetts (extruded; smooth)

SGCC-173 Unlimited size

Southern Plastics Company; Columbia, South Carolina

SGCC-162 Unlimited size

(extruded; smooth)

### 0.090 inch and greater thicknesses polycarbonate

Rohm and Haas Company; Kensington, Connecticut (extruded; smooth)

SGCC-558 Unlimited size

### 0.100 inch acrylic

Manchester Products Company; Chatsworth, California  
(extruded; smooth)

SGCC-567 Unlimited size

## ORGANIC COATED GLASS

### Single strength annealed glass; 0.003 inch organic coating

Break-Safe, Inc.; Chicago, Illinois

SGCC-611 Unlimited size

## LEADED GLASS

### 1/8 inch annealed transparent glass

Visador Company; Jasper, Texas

4.20 by 9.89 inch and 3.76 by 7.95 inch diamonds

SGCC-470 25" by 67"

FOR LISTING BY MANUFACTURING PLANT, SEE PAGE 10

1/8 inch annealed pattern glass

Visador Company; Jasper, Texas (Cathedral)

3.76 by 7.95 and 4.35 by 9.85 inch diamonds  
3.24 by 8.04 inch diamond

SGCC-509

25" by 67"  
22" by 72"

3/16 inch annealed pattern glass

Visador Company; Jasper, Texas (Flemish)

3.76 by 7.95 and 4.32 by 9.86 inch diamonds  
3.24 by 8.01 inch diamond

SGCC-510

25" by 67"  
22" by 72"

SAFETY PLASTIC SHEET FOR INDOOR USE ONLY

COMPLIES ONLY WITH "BREAK SAFE CHARACTERISTICS" OF ANSI Z97.1-1972 (MUST NOT BE MARKED WITH ANSI Z97.1-1972)

0.080 inch through 3/16 inch plastic

Southern Plastics Company; Columbia, South Carolina

(pattern; extruded; indoor use only) (Cracked Ice, Rip L, Cortina)

SGCC- 18 Unlimited size

0.090 inch through 3/16 inch plastic

ICP Industries, Inc.; Miami, Florida (pattern, extruded; indoor use only) (Seaflair)

SGCC -17 Unlimited size

0.090 inch plastic

Gladwin, Inc.; Oakwood, Georgia

(pattern; extruded; indoor use only) (Ripple)

SGCC-420 Unlimited size

0.100 inch through 3/16 inch plastic

K-S-H, Inc.; Crestwood, Missouri (pattern; extruded; indoor use only) (Glacial, Calypso, Roundel)

K-S-H, Inc.; Tustin, California (pattern; extruded; indoor use only) (Calypso, Glacial, Starlite, Roundel)

SGCC- 99 Unlimited size

SGCC-221 Unlimited size

\* \* \* \* \*

## SGCC LABEL REQUIREMENTS

The SGCC certification label must be permanently marked on each piece of safety glazing material or else it is not certified by SGCC. The typical labels reproduced in this certified products directory are the same size that you will find on each piece of safety glazing material.

The permanent label must contain the SGCC number, ANSI Z97.1-1972 or ANSI Z97.1-1975, nominal thickness, and the letter U or L indicating certified size.

Safety plastic sheet for indoor use only (which does not comply with the U.V. requirements of ANSI Z97.1-1972) must indicate the wording "Indoor Use Only", SGCC number, nominal thickness, and the letter U or L indicating certified size.

The permanent label must contain identification of the plant in which the product was made and the name or trade mark of the participant. (The SGCC number does this by reference to this certified products directory.)

The permanent label must be affixed to certified products only at the time and place of manufacture.

The permanent label must be affixed only to safety glazing materials of the participant's own manufacture, which has been certified by SGCC.

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

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 when certification was obtained.

\* \* \* \* \*



EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**ASG INDUSTRIES, INC.**

P. O. Box 88  
Kingsport, Tennessee 37662

Tentative label  
TRU-TEMP ASG  
Tempered Safety Glass  
ANSI Z97.1-1975  
SGCC-220 3/16 U

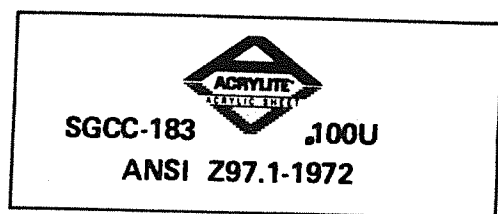
**ARTISTIC GLASS PRODUCTS COMPANY**

P. O. Box 38  
Quakertown, Pennsylvania 18951

Tentative label  
AGP  
ANSI Z97.1-1975  
SGCC-585 1/4 L

**AMERICAN CYANAMID COMPANY**

P. O. Box 591  
Sanford, Marine 04073



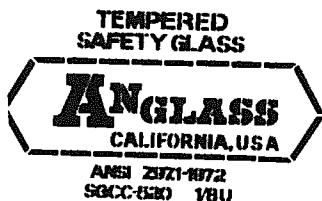
**ASAHI GLASS COMPANY, LTD.**

c/o Sentinel Enterprises, Inc.  
2138 Biscayne Boulevard  
Miami, Florida 33137

Tentative label  
ASAHI GLASS  
Tempered Safety Glass  
ANSI Z97.1-1975  
SGCC-46 187 U

**ANGLASS INDUSTRIES, INC.**

12364 Gladstone Avenue  
San Fernando, California 91342



**BREAK-SAFE, INC.**

1880 West Fullerton Avenue  
Chicago, Illinois 60614

Tentative label  
BREAK-SAFE  
Safety Glass  
ANSI Z97.1-1975  
0.003 on SS U  
SGCC-611

**ARMOUR LAMINATED GLASS COMPANY, INC.**

9401 Ann Street  
Santa Fe Springs, California 90670

Tentative label  
Armour Laminated Glass  
Laminated Safety Glass  
ANSI Z97.1-1975  
SGCC-533 1/4 U

**BUCHMIN INDUSTRIES**

1485 East Curtis Avenue  
Reedley, California 93654

Tentative label  
BUCHMIN  
Laminated Safety Glass  
ANSI Z97.1-1972  
SGCC-561 7/32 U

July 1, 1976; SGCC 31

## EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**M. L. BURKE COMPANY**  
33204 Western Avenue  
Union City, California 94587

Tentative label  
MLB TEMP  
Safety Tempered Glass  
ANSI Z97.1-1975  
SGCC-274 3/16 U

**CHROMALLOY SAFETEE GLASS DIVISION**  
250 King Manor Drive  
King of Prussia, Pennsylvania 19406

Tentative label  
CHROMALLOY  
Tempercrome Safety Glass  
ANSI Z97.1-1975  
SGCC-157 1/4 U

**C-E GLASS**  
825 Hylton Road  
Pennsauken, New Jersey 08110

Tentative label  
ARM-R-CLAD  
C-E Glass  
ANSI Z97.1-1975  
SGCC-145 0.187 U

**DEARBORN GLASS COMPANY**  
6600 South Harlem Avenue  
Bedford Park, Illinois 60501

LAMINATED  
SAFETY GLASS  
**D.G.C.**  
.218 U  
A.N.S.I. Z97.1-1975  
SGCC-147

**CANADIAN PITTSBURGH INDUSTRIES, LTD.**  
1299 20th Street, East  
Owen Sound, Ontario, Canada

Tentative label  
CPI  
HERCULITE K  
Tempered Safety Glass  
ANSI Z97.1-1975  
SGCC-251 1/8 U

**DOWNEY GLASS COMPANY**  
5631 Ferguson Drive  
Los Angeles, California 90022

~~TEMPERED~~  
5/16 U  
SGCC-512  
ANSI Z97.1-1972

**CENTRAL GLASS COMPANY, LTD.**  
One World Trade Center  
Suite 3947  
New York, New York 10048

**POLISHED WIRED GLASS**



**CENTRAL GLASS CO., LTD.**

Wired Safety Glass  
ANSI Z97.1-1972 1/4U  
SGCC-508

**FALCONER PLATE GLASS CORPORATION**  
500 South Work Street  
Falconer, New York 14733

FALCONER  
TEMPERED  
**DURASAFE**  
SAFETY GLASS  
SGCC-311 1/2" U  
ANSI Z97.1-1975

# EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**FEATHER-LITE MANUFACTURING COMPANY**  
1210 East Maple Road  
Troy, Michigan 48084

FEATHER-LITE  
**SAFETY  
PANE**  
TEMPERED SAFETY GLASS  
ANSI Z 97.1-1972  
SGCC-II 3/16 U 064

**GENERAL ELECTRIC COMPANY**  
One Plastics Avenue  
Pittsfield, Massachusetts 01201



**FLEX-O-GLASS, INC.**  
1100 North Cicero Avenue  
Chicago, Illinois 60651

*Warp's*  
FLEX - O - GLAZE T.M.  
SGCC - 118  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1 - 1972 100 U  
WARP BROS CHGO 60651

**GENERAL GLASS IMPORTS CORPORATION**  
270 North Avenue  
New Rochelle, New York 10801

Tentative label  
GENERAL GLASS IMPORTS  
ANSI Z97.1-1972  
SGCC-590 3/16 U

**FORD MOTOR COMPANY**  
**GLASS DIVISION**  
1 Parklane Boulevard  
Dearborn, Michigan 48126

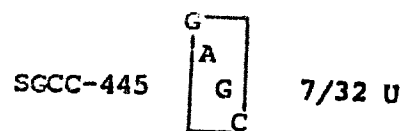


**GLADWIN, INC.**  
Route 1; Box 370 A  
Oakwood, Georgia 30566

**GLADWIN, INC.**  
**ACRYLIC**  
**SAFETY GLAZING**  
ANSI - Z97.1 1972  
SGCC - 557 100 U

**GLOBE-AMERADA GLASS COMPANY**  
2001 Greenleaf Avenue  
Elk Grove Village, Illinois 60007

**LAMINATED SAFETY GLASS**



**FOURCO GLASS COMPANY**  
P. O. Box 4147; Station B  
Fort Smith, Arkansas 72901

Tentative label  
FOURCO  
Cleartemp Safety  
ANSI Z97.1-1975  
SGCC-297 1/8 U

ANSI Z97 .1-1972

July 1, 1976; SGCC 33

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**GUARDIAN INDUSTRIES CORPORATION**  
43043 West Nine Mile Road  
Northville, Michigan 48167

Tentative label  
GUARDIAN  
Safeglaze Tempered Safety  
ANSI Z97.1-1975  
SGCC-160 3/8 U

**K-S-H, INC.**  
10091 Manchester Road  
St. Louis, Missouri 63122

ANSI Z97.1-1972  
KSH, INC. ACRYLIC  
.060 U  
SGCC 136

**HAMILTON OF INDIANA, INC.**  
2000 Chestnut Street  
Vincennes, Indiana 47591

TEMPER-TUF  
HAMILTON OF INDIANA  
ANSI Z97.1-1975 1/8U SGCC-54  
TEMPERED SAFETY GLASS

**LOF GLASS, INC.**  
P. O. Box 830  
Laurinburg, North Carolina 28352

 TUF-FLEX®  
TEMPERED SAFETY GLASS  
ANSI Z97.1-1975 3/16"-U  
SGCC-351

**ICP INDUSTRIES, INC.**  
7411 N. E. Third Avenue  
Miami, Florida 33138

ICP MIAMI FLORIDA  
POLYSTYRENE SAFETY GLAZING  
FOR INDOOR USE ONLY  
SGCC - 17 090U


**LAMINATED GLASS CORPORATION**  
9797 Erwin Avenue  
Detroit, Michigan 48213

Laminated Safety Glass  
  
SGCC-88 7/32-U  
ANSI Z97.1-1972

**IRDA GREEK SAFETY GLASS  
INDUSTRIAL COMPANY, INC.**  
P. O. Box 54  
Volos, Greece

IRDA  
LAMINATED SAFETY GLASS  
GREECE  
ANSI Z97.1-1972  
SGCC-548 1/4U

**LIBBEY-OWENS-FORD COMPANY**  
811 Madison Avenue  
Toledo, Ohio 43695

 TUF-FLEX®  
TEMPERED SAFETY GLASS  
ANSI Z97.1-1975 3/16"-U  
SGCC-386

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**MANCHESTER PRODUCTS COMPANY**  
8966 Mason Avenue  
Chatsworth, California 91311

Tentative label  
MANCHESTER PRODUCTS  
ANSI Z97.1-1972  
SGCC-567 0.100 U

**OHIO PLATE GLASS COMPANY**  
P. O. Box 671  
Lewisburg, Ohio 45338

SAFETY  
TEMPERED  
1/8"-U SGCC  
187  
OHIO  
PLATE  
ANSI Z-97.1 1975

**MINEX-POLAND**  
c/o M. L. Burke Company  
33204 Western Avenue  
Union City, California 94587

**TEMPERED SAFETY GLASS**  
MINEX  
ANSI Z97.1 - 1975  
SGCC - 140 .210 U

**PPG INDUSTRIES, INC.**  
1000 RIDC Plaza  
P. O. Box 2811  
Pittsburgh, Pennsylvania 15230

Tentative label  
PPG HERCULITE K  
Tempered Safety Glass  
ANSI Z97.1-1975  
SGCC-63 3/16 U

**MITSUBISHI RAYON COMPANY, LIMITED**  
c/o Sentinel Enterprises  
2138 Biscayne Boulevard  
Miami, Florida 33137

**ShinkoLite® A**  
ANSI Z 97.1-1972  
0.080U SGCC 496  
MITSUBISHI RAYON CO. LTD.

**PLASKOLITE, INC.**  
1770 Joyce Avenue  
Columbus, Ohio 43219

plaskolite  
ACRYLIC SAFETY GLAZING  
ANSI Z 97.1-1972  
SGCC-152  
.100 U

**NORTHWESTERN INDUSTRIES, INC.**  
2501 West Commodore Way  
Seattle, Washington 98199

TEMPERED  
SAFETY GLASS  
[NW]  
ANSI Z97.1-1972  
CGSB-12-GP-I  
SGCC-481  
1/4-U

**ROBECO PRODUCTS, INC.**  
51 Madison Avenue  
New York, New York 10010

ACRYPOLY  
CAST ACRYLIC  
SAFETY GLAZING  
ANSI Z97.-1972  
SGCC-210 080 U

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**ROHM AND HASS COMPANY**  
Independence Mall West  
Philadelphia, Pennsylvania 19105

PLEXIGLAS® R & H CO.  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1-1966/72 .080U  
SGCC-154

**SOCIETA ITALIANA VETRO, S.P.A.**  
c/o Greenbaum, Wolff and Ernst  
437 Madison Avenue  
New York, New York 10022

Tentative label  
SIV  
Wired glass  
ANSI Z97.1-1972  
SGCC-555 7/32 U


**ROTUBA EXTRUDERS, INC.**  
1401 Park Avenue South  
Linden, New Jersey 07036

ROTUBAGLAZ®  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1-1972  
SGCC-316 .080U


**SOUTHERN PLASTICS COMPANY**  
P. O. Drawer 39  
Columbia, South Carolina 29202

SOPLASCO  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1-1972  
SGCC-162 .090U

**SAFELITE INDUSTRIES**  
P. O. Box 1879  
Wichita, Kansas 67201

SOLID TEMPERED  
SAFE  LITE  
ANSI Z97.1-1972  
1/8 U SGCC-225

**SWEDCAST CORPORATION**  
7350 Empire Drive  
Florence, Kentucky 41042

 Swedcast Corp.  
SWEDGLAZE S.G.  
ANSI Z-97.1 - 1972 .080U  
S.G.C.C. 559 S-300

**SHEFFIELD PLASTICS, INC.**  
Salisbury Road  
Sheffield, Massachusetts 01257

ACRY-PANE  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1-1972 .080U  
SGCC-173

**TAYLOR PRODUCTS, INC.**  
Laura Avenue  
Payne, Ohio 45880

Tentative label  
TAYLOR  
Tempered Safety Glass  
ANSI Z97.1-1975  
SGCC-190 3/16 U

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

TEMPERED GLASS CORPORATION  
6900 Adamo Drive  
Tampa, Florida 33619

Tentative label  
TEMPERED  
GLASS CORP.  
ANSI Z97.1-1975  
SGCC-347 .188 U

TUDOR SAFETY GLASS COMPANY LIMITED  
Vinylex Works  
Greenborough, Kent, England

ROYAL DOULTON  
VINYLEX  
LAMINATED  
ANSI Z97.1 1972  
SGCC 248 250 U

TEMPGLASS, INC.  
Willis Day Industrial Park  
291 "M" Street  
Perrysburg, Ohio 43551

TEMPGLASS®  
ANSI Z97.1-1975  
SGCC 592 3/16"-U

TUF-FLEX GLASS, INC.  
2735 Washington Avenue  
Vincennes, Indiana 47591

Tentative label  
Tuf-flex Glass Inc.  
Tempered Safety Glass  
ANSI Z97.1-1975  
SGCC-229 1/4 U

TEMP-SAFE, INC.  
3000 South Kelly  
Edmond, Oklahoma 73034

TEMP-SAFE  
TEMPERED  
SAFETY GLASS  
ANSI Z97.1-1972  
SGCC-440-3/16 U

TYRE BROTHERS GLASS COMPANY  
3008 South San Pedro Street  
Los Angeles, California 90051



SGCC-252 .188U

TEXAS TEMPERED GLASS COMPANY  
1331 West Belt Drive  
Houston, Texas 77043

Tentative label  
Texas Tempered Glass Co.  
ANSI Z97.1-1975  
SGCC-110 0.187 U

VIDRIERIAS DE LLODIO, S. A.  
c/o Seaply Glass Company  
271 North Avenue  
New Rochelle, New York 10802

Tentative label  
TEMPERIT VILLOSA  
Tempered Glass  
ANSI Z97.1-1975  
SGCC-37 7/32 U

July 1, 1976; SGCC 37



EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

**VIDRIOS SECURIT S.A.**  
A.A. 437  
Barranquilla, Colombia



**VIRACON, INC.**  
800 Park Drive  
Owatonna, Minnesota 55060



**VIRGINIA GLASS PRODUCTS CORPORATION**  
P. O. Box 5431  
Martinsville, Virginia 24112



**VISADOR COMPANY**  
940 Visador Road  
Jasper, Texas 75951

Tentative label  
**VISADOR**  
**Safe-T-Leaded**  
**ANSI Z97.1-1975**  
**SGCC-509 1/8 L**

SAFETY GLAZING CERTIFICATION COUNCIL  
CERTIFICATION PROGRAM FOR  
SAFETY GLAZING MATERIALS USED IN BUILDINGS

## FORWARD

Acceptance of a certified product containing safety glazing materials comes with the conviction that such certification assures a high level of safety and quality and that the integrity of the identifying mark or certification label is being reliably maintained by a competent certifying agency.

The provisions of American National Standard Z97.1 provide a sound technical basis for the required high level of safety. With the addition of independent administration plus periodic routine sampling and product evaluation, a program of product certification is developed in accordance with the accepted American National Standards as contained in American National Standard Z34.1. The Certification Program described here is predicated upon the concept of independent and impartial administration of the certification procedures which are incorporated in the SGCC license agreement.

To insure administration of the Certification Program in a uniform and equitable manner, this Procedural Guide has been prepared for the information and guidance of the participants.

It should be noted that the *SGCC License Agreement* is the governing document for operation of the Certification Program. This Procedural Guide, which is *not* an extension of that document, serves merely to describe the administrative procedure and routine operation of the Certification Program.

## GENERAL INFORMATION

### *The Certification Concept*

The SGCC Certification Program is based on the conviction that no standard of safety or quality is good without the *continuous adherence of the participants* to that standard.

To buyers, specifiers, code officials and users, the SGCC certification label offers the manufacturer's *assurance* that his safety glazing material has been *produced in conformance* to American National Standard Z97.1 covering safety glazing materials used in buildings.

Many state laws, municipal ordinances and building codes require that all glazing installed in certain pre-defined *hazardous* locations comply with the ANSI standard. This standard, promulgated by the American National Standards Institute, *requires* certification in accordance with ANSI Z34.1 prior to labeling safety glazing materials as conforming to ANSI Z97.1.

### *Who Can Participate?*

Every manufacturer of safety glazing materials is eligible, *on a voluntary basis*, to participate.

### *Who Conducts the Program?*

The Safety Glazing Certification Council, a non-profit corporation, is the sponsor of this certification program. SGCC supervises the certification program under which the Administrator periodically checks and reports compliance of the manufacturers of products having the SGCC certification label with the requirements of ANSI Z97.1.

Certification Services Corporation (CSC), is the independent *Administrator* of the Certification Program. CSC maintains the SGCC Office of Certification and handles the routine day to day business. All transactions are done in the name of SGCC.

### *How Can You Become a Participant?*

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

- a] The manufacturer signs two copies of the SGCC License Agreement (including notarization of the Affidavit, Appendix A) and sends these to SGCC. SGCC will countersign both copies and return one to the manufacturer.
- b] The manufacturer sends to SGCC one copy of a valid test report from an official SGCC-recognized prototype testing laboratory indicating full and complete compliance with the Specifications, namely ANSI Z97.1. (This is the "initial" or "prototype" testing and the sample is furnished by the manufacturer directly to any one of the SGCC-recognized independent commercial prototype testing laboratories, which the manufacturer selects.)
- c] The manufacturer sends to SGCC the six-month certification fee *for each item which is to be certified.*

After receipt of *all* of the above items, SGCC sends to the participant a Notice of Product Certification which includes a SGCC Certification Number. This number *must* be incorporated into the permanent label to be affixed on each piece of certified safety glazing material. The certified item will then be listed in the next published Certified Products Directory.

### HOW THE CERTIFICATION PROGRAM WORKS

The *American National Standards Institute* sets safety standards and safety glazing materials *must meet or exceed* applicable ANSI standards before they can be certified by SGCC. Specifications for safety glazing materials used in buildings are developed and reviewed at least every five years by ANSI.

*SGCC-Recognized Independent Prototype Testing Laboratories* conduct all tests. All laboratories, whose test reports are utilized by this Certification Program, shall be approved by the SGCC Certification Committee. Initial or prototype tests are performed at the testing laboratory selected by the participant. Routine evaluation samples are tested by the testing laboratory selected by the Administrator.

### *Administrator Authorizes Certification*

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

*Participants Label Safety Glazing Material* within the limits of the product size tested. If 34 by 76 inches is the initial or prototype test size, then certification is extended to all sizes and the label contains a letter U, designating such unlimited size. The letter L, contained within the label, denotes that certification is limited to the width and length of the initial or prototype test size.

Approved products are listed in the Certified Products Directory, which is published at least every six months. It is sent to door, sash and building products manufacturers, glazing contractors, home builders, architects, regulatory agencies and code-making groups, etc. Directory listings contain the participants name, plant location, product description and a copy of the actual label that is *permanently* marked upon each piece of certified safety glazing material.

The *Administrator Samples Certified Glazing Material* from the participant's inventory once every six months.

An *Approved Testing Laboratory Determines Compliance* of these samples with the Specifications. Tests are made either at the place of manufacture or at the laboratory selected by the Administrator from the approved list. Results of each test are mailed promptly to the participant by the Administrator.

## COMPLIANCE SAFEGUARDS

### *How is Compliance Assured?*

Any certified product found in the course of routine sampling and evaluation not to be in compliance with the Specifications, is subject to having certification removed. The participant is given a 30-day grace period in which to demonstrate to the satisfaction of the Administrator that his product is in compliance. If he does not, certification is *automatically terminated* at the end of the 30-day period.

### *Challenging a Certified Product.*

Complaints of non-compliance from any source will be investigated promptly by SGCC upon receipt of the complaint in writing along with an appropriate surety deposit. A minimum surety deposit of \$1,000 will be required for each complaint of non-compliance. The surety deposit will be assessed at the rate of \$250 per man day *plus* the reasonable costs of travel and the maintenance entailed in resolving such incidents. Refunds of part or all of the surety deposit will be made when applicable. All costs involved will be paid from the complaintant's surety deposit, *unless* the investigation proves non-compliance, *in which case all costs will be borne by the participant found to be in non-compliance.*

### *Withdrawal of Certified Product*

Any product which has been certified may be voluntarily withdrawn from the Certification Program by the participant at any time.

## COSTS

### *What Does The Program Cost?*

The participant pays all projected fees to SGCC on a six-month basis, in advance. A participant is invoiced for each item that is certified and listed separately in the Certified Products Directory. The invoice will include the fees for future routine evaluation testing.

Initial certification for each item will be for a period of six months. However, the next invoice to a participant will have the fees prorated to the nearest whole month in such a manner that participation in the Certification Program will be on a January 1 to July 1 and July 1 to January 1 basis.

*Program Costs:*

\$485.00 per six months for the first product at a plant.

\$130.00 per six months for each additional product at the same plant.

## CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS

### *Licensee Agreement*

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

*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 becomes effective on the date of its execution; has an initial duration of six months (adjustable to a January 1 to July 1 or a July 1 to January 1 basis), and is automatically renewed for successive, additional periods of six months, unless either party gives notice at least sixty days prior to date of expiration that cancellation is requested or unless revoked by SGCC for causes set forth in the document.

Upon proper execution and acceptance by SGCC the *Preissued Certification Number Bond* informs a participant of the exact mark of an item to be certified in the future. Thus he can purchase the proper marking equipment before the item is actually certified. If the participant marks this number upon production prior to actual certification the bond is forfeited to SGCC.

Upon proper execution and acceptance by SGCC the *Test Release Bond* permits the continuation of certification of an item even though the production facilities are shut down. If the participant 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 Certification Services Corporation, governs the relationship between SGCC and CSC, 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
- c) reviews all test reports in order to determine compliance of the certified product with the Specifications
- d) inspects and approves all in-plant and Test Laboratory test facilities for use in this Certification Program (Test Laboratories are "recognized" or approved by the SGCC Certification Committee)
- e) publishes and mails the SGCC Certified Products Directory on or about each January 1 and July 1

- f) handles all routine clerical duties of SGCC with respect to certification matters
- g) acts as SGCC treasurer, invoicing participants, maintaining a bank account and dispersing funds (fiscal reports are made to the SGCC Certification Committee)
- h) furnishes all testing except for 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.

### *Procedural Guide*

This guide outlines program procedures in accordance with the provisions of the License Agreement and the Administration Service Agreement, for the guidance of those concerned with the procedural details of the Certification Program's operation. It covers the steps to be taken in any given procedural situation in the interest of equitable and uniform treatment of participants and the preservation of the integrity of the Certification Program.

### *Certified Products Directory*

This directory is the one document and publication that is normally in the public's eye and contains a listing of the certified safety glazing materials of each participant.

### *Certification Label*

This Certification Mark is permanently affixed to each piece of certified safety glazing material by the participant. It contains a code that refers to the listing in the Certified Products Directory. The listing then provides a complete product description including the company name, plant location, etc.

## PROGRAM RESPONSIBILITY

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

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

- a) establishes certification "guidelines"
- b) determines the applicability of the Specifications in a specific situation where a question is raised by a participant or the Administrator
- c) approves Test Laboratories
- d) determines which of the Specifications are to be designated effective for the purposes of product certification and the date or dates on which they become effective
- e) recommends to the SGCC Board of Directors changes to be made in the License Agreement.

## COMMUNICATIONS

In all matters concerning the administration and implementation of the SGCC certification program, correspondence may be directed to any of the following:

SGCC Board of Directors  
Norman C. Nitschke, Chairman  
Glasstech, Inc.  
801 Front Street  
Toledo, Ohio 43605  
Phone: 419-693-0696

SGCC Certification Committee  
Homer H. Goldsberry, Chairman  
Plaskolite, Inc.  
1770 Joyce Avenue  
Columbus, Ohio 43219  
Phone: 614-294-3281

SGCC Certification Committee  
Gene Gilbert, Vice Chairman  
Ohio Plate Glass Company  
P.O. Box 671  
Lewisburg, Ohio 45338  
Phone: 513-962-2696

SGCC  
Robert A. Nance, P.E.  
Administrative Manager  
1640 West 32 Place  
Hialeah, Florida 33012  
Phone: 305-558-1352

SGCC  
Ms. Shirley Stafford  
Assistant Secretary  
1640 West 32 Place  
Hialeah, Florida 33012  
Phone: 305-558-1352

## ***SGCC APPROVED TESTING LABORATORIES***

Approved Engineering Test Laboratories  
1536 East Valentia Drive  
Fullerton, California 92631  
Attention: Mr. Joseph E. Hawkins  
Telephone (213) 583-1227

Bowser-Morner Testing Laboratories, Inc.  
420 Davis Avenue; Box 51  
Dayton, Ohio 45401  
Attention: Mr. Jack Delaney  
Telephone (513) 253-8805

British Standards Institution  
Maylands Avenue  
Hemel Hempstead  
Herts, England  
Attention: Mr. Alan Attryde

Electrical Testing Laboratories, Inc.  
2 East End Avenue  
New York, New York 10021  
Attention: Mr. Claude Robb  
Telephone (212) 288-2600

Electrical Testing Laboratories, Inc.  
1960 Will Ross Court  
Chamblee, Georgia 30341  
Attention: Mr. Harry Fry  
Telephone (404) 458-7763

Institut National Du Verre  
Boulevard Defontaine, 10  
B-6000  
Charleroi, Belgium  
Attention: Mr. Pierre Gilard

Miami Testing Laboratory, Inc.  
1640 West 32 Place  
Hialeah, Florida 33012  
Attention: Mr. James W. Bailey  
Telephone (305) 822-1141

Patzig Testing Laboratories, Inc.  
3922 Delaware Avenue  
Des Moines, Iowa 50313  
Attention: Mr. Byron A. Marks  
Telephone (515) 266-5101

Twining Laboratories of Southern  
California  
3310 Airport Way  
Long Beach, California 90801  
Attention: Mr. Edward H. Rubin  
Telephone (213) 426-3355



## 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 July 1 and July 1 to January 1 basis. Charges will be prorated to the nearest whole month based on the date of approval of certification.

#### G.2

Tests for initial compliance of safety glazing materials to ANSI Z97.1 will be accepted from any testing laboratory approved by the SGCC certification committee.

#### G.3

Paragraph (1) Section 4.1.3 of ANSI Z97.1-1975 is intended to apply to laminated, wired and organic coated glazing only. Paragraph (2) is intended to apply to tempered glass only. Paragraph (3) is intended to apply to plastics only. Paragraph (4) is intended to apply to any safety glazing material.

#### G.4

A safety insulating unit can be certified per se, or each layer of safety glazing material can be a certified item.

#### 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 since the Certified Products Directory which lists the item number and pertinent data is published twice a year.

#### G.6

a) All test specimens except for prototype samples, must be marked with a SGCC permanent label prior to testing in order to be considered a valid sample. The administrator shall construe the absence of a correct permanent label or non compliance with thickness tolerances as a failure to comply with the Specifications. In such cases of noncompliance, Sections a, c, and e of G.11 shall be followed.

b) The laboratory shall verify that the label has the correct SGCC number, designation of the ANSI standard, nominal thickness, and certified size designation (U or L).

c) The testing laboratory is to advise the administrator of any specimen that does not in fact bear the proper SGCC permanent label and will be instructed by the administrator not to test but hold the sample.

d) The administrator will inform the participant of the situation and direct (by letter) the testing laboratory to commence testing no later than 30 days hence. Until that time the testing laboratory is instructed to make these specimens available to the participant at their convenience (the specimens are to remain at the testing laboratory) in order that the participant may point out or show them that in fact the SGCC permanent label is correct or agree that in fact the SGCC permanent label is not present. (In cases of any dispute between the participant and the testing laboratory the decision of the administrator shall be final). The participant shall not mark specimens after receipt at the testing laboratory.

#### G.7

Safety glazing materials for which certification is requested for indoor use only shall be subjected to the provisions of section 4.1 (impact tests) and 4.5 (aging tests) of ANSI Z97.1-1975 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.

#### G.8

After initial compliance with a sample size as stated in Table 1, testing of other sizes which represent the sizes manufactured may be allowed, provided however that all sizes produced up to the size provided by Table 1, ANSI Z97.1-1975 are exposed to selection for testing.

#### G.9

Specimen sizes up to 34 inches by 77 inches shall be valid samples when independently obtained by the administrator for purposes of routine evaluation.

#### G.10

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

a) The participant be permitted 6 weeks in which to effect delivery of said specimens to the administrator's designated testing laboratory.

b) Failure to act as specified above shall be construed by the administrator as failure of the said specimens to comply with the Specifications and the administrator shall act as provided for in License Agreement A.6.

#### G.11

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

a) Written notice shall be sent to the participant by the administrator that within 30 days the participant must submit a retest sample to the testing laboratory designated by the administrator.

Certification shall be removed if the sample is not received within the allotted 30 days or if the sample submitted fails to comply with the Specifications.

b) Within 3 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 participant.

#### G.12

If a participant who manufactures a certified product outside the 48 contiguous States feels that in a particular instance that he will be unable to act as provided for in paragraph b) 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

In cases where a certified item is produced infrequently or in small quantities so as to make it difficult for the administrator to obtain routine evaluation samples, the participant shall notify the administrator at least two weeks in advance of any production of such item.

#### G.14

The administrator shall remove certification from all of any participants products for failure to pay any monies due to SGCC within 30 days of invoice date. (Reference License Agreement A.2, A.12 and B.6).

#### G.15

In the situation where a participant desires to recertify a product that previously had certification removed because of failure to comply with the Specifications, the product shall be routinely sampled four times during the first year. The costs involved shall be paid by the participant.

#### 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 two decimal places, and will have the suffix "mm".

#### G.17

All safety glazing materials that are not symmetrical from surface to surface, shall be impacted two specimens on one side and two specimens on the other side.

#### G.18

Certified and permanently labeled safety glazing materials such as laminated glass, wired glass, rigid plastic or organic coated glazing may be

cut into smaller pieces by a distributor or installer after manufacture and it is not practical for each such smaller piece to bear a manufacturers' permanent label when finally installed in a building. When this is the case, then 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.

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

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 participants for failure of payment prior to closing date of the certified products directory.

#### G.20

For certification purposes a panel of glazing material composed of multiple components (such as leaded glass) may be tested and interpreted as a unit.

#### G.21

A preissued SGCC certification number shall be issued by the administrator upon receipt of a properly executed license agreement and a properly executed bond form in the amount of \$10,000. The condition of the bond is such that if the participant does not label any safety glazing material with the preissued certification number prior to formal certification then the bond shall be void.

#### G.22

In the case of wired glass, plastics and organic coated glazing, certification of 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 Z97.1-1975 for each alternate pattern proposed.

c) The certification committee is provided with a 6 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 that particular product be submitted for the retest sample required by Guideline G.11a and also that that particular product be sampled by the administrator for the additional sample required by Guideline G.11b.

#### 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. As a consequence, samples for routine testing may not be available for long periods. The participant may desire to retain certification during the shutdown period. This shall be done as follows:

a) Prior to or within 2 weeks, after the shutdown the participant shall inform the SGCC administrator by registered mail.

b) The SGCC administrator will immediately supply the participant with test release bond forms for submission by the participant.

c) Within 2 weeks after receipt of the bond forms, the participant shall submit them to the SGCC administrator. A separate bond shall be submitted for each certified product affected.

d) During the period covered by the bond the participant shall retain certification, contingent upon payment of normal certification fees and meeting all other participant obligations. Bonds will terminate 90 days

after application but may be renewed by the participant any number of times. Renewal is an obligation of the participant and requires all steps listed herein.

e) Within one week after re-activation of the production facility the participant shall 1) notify the SGCC administrator by registered mail 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 by the participant to comply with any of the preceding shall be the basis for removal of certification from the affected products.

#### G.24

When a participant's production equipment will not produce a size of 34 by 76 inches and the participant wished 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

When a participant specifically and voluntarily desires to use an SGCC permanent label on their product that denotes compliance with ANSI Z97.1-1966, ANSI Z97.1-1972 and ANSI Z97.1-1975 or combination thereof, that they notify the SGCC in writing of the certified item that they desire to so mark. The SGCC will at the request of the participant conduct compliance tests to ANSI Z97.1-1966, ANSI Z97.1-1972 and ANSI Z97.1-1975 or combination thereof. A single set of four test specimens will be impacted to determine impact test requirements of all standards. Upon successful completion of compliance tests the safety glazing materials are permanently labeled and listed in the SGCC certified products directory as having met the requirements of 1966, 1972 and 1975 versions or combination thereof of the ANSI Z97.1 standard. Any costs involved shall be paid by the participant.

#### G.26

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

### 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.)

#### T.2

Polished plate glass and the rough plate 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 regular tempered glass will also cover tinted, heat absorbing and coated glasses of the same nominal thickness. Glasses of the same nominal thickness with a ceramic material applied as a continuous or partial coating to one or more surfaces prior to tempering are also covered.

#### T.4

In cases where certified tempered glass is normally not available for sampling the participant 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 participant to submit prototype size samples to the administrator within six weeks.

#### T.5

Certification of any nominal thickness of tempered safety plate, float or sheet glass will also cover the other two types. ANSI Z97.1 does 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.

Since the minimum allowable thickness in Federal Specifications DD-G-451c is different for plate/float and sheet glass of equal nominal

thickness, SGCC may not in all cases be able to certify the glass tested meets this specification. When this situation arises, the participant upon the request of SGCC must furnish a statement indicating all plate/float and sheet of his manufacture meet the thickness requirements of Federal Specification DD-G-451c.

#### T.6

For certification purposes the nominal thickness of 32 ounce tempered transparent glass shall be 4 mm and thickness tolerance shall be 3.8 mm (0.150 inches) minimum and 4.2 mm (0.165 inches) maximum.

### TEMPERED PATTERN GLASS

#### TP.1

For purposes of certification, the nominal thicknesses of patterned, figured, or rough rolled glass are the common fractions found in DD-G-451c which describes the maximum thickness. The permanent label must contain this fraction or a metric or decimal dimension within the tolerance of this thickness as published in DD-G-451c.

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

<i>Pattern depth class</i>	<i>Ratio</i>
Shallow pattern glass	0.90 or above
Medium pattern glass	0.80 to 0.89
Deep pattern glass	0.79 or below

Certification will be by nominal thickness and pattern depth class. Any pattern in a certified thickness and pattern 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 pattern depth class. If the participant has a certified product in that thickness and class, the new pattern may, at the request of the participant, be included under the same SGCC certification number.

#### TP.2

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

#### TP.3

For tempered pattern glass, one specimen must be weighed and the weight of ten square inches determined from the weight, width and height of that specimen to use for ANSI Z97.1-1975 test purposes.

### LAMINATED GLASS

#### L.1

Certification of regular laminated glass will also cover tinted, heat absorbing and coated glasses of the same nominal thickness.

#### L.2

In cases where certified laminated glass is normally not available for sampling the participant 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 participant to submit prototype size samples to the administrator within six weeks.

#### L.3

Certification of 7/32 inch laminated glass also covers SS/DS and vice versa.

#### L.4

When a laminated glass is certified, other laminated glasses having the same thickness or thicknesses of glass and a greater thickness of plastic interlayer will be considered to be of equal nominal thickness and to be included in the certification.

#### L.5

Laminated safety glass need not be identified by type of base glass.

#### L.6

Thickness of the plastic interlayer shall be measured by the SGCC standard method.

### WIRED GLASS

#### W.1

Certification of one polished wired glass may be applied to other polished

wired glasses provided:

a) The glass thickness of the candidate glass is nominally equal to the thickness of the glass that is certified.

b) The wire diameter of the candidate glass is at least as great as the wire diameter in the glass that is certified.

c) The spacing of the wires in the candidate glass is no greater than the spacing of the wires in the glass that is certified.

d) The certification committee has been presented with a copy of the results of a test indicating that compliance of the candidate glass with the requirements of ANSI Z97.1-1975 impact testing has been made.

After admission under the blanket certification covering wired glasses, all wired glasses so certified must be exposed to random sampling at each examination although only one will probably be selected for testing.

### PLASTICS — GENERAL

#### P.1

Certification of one tint or color of rigid plastic will also cover other tints or colors of the same nominal thickness.

#### 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 re-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 Class 1. Cast acrylic. (Including continuously cast sheet): As specified in ASTM D-702, latest issue.

Outdoor use plastic materials Class 2. Extruded acrylic: Plus or minus 5 percent of nominal thickness.

Outdoor use plastic materials Class 3. Extruded polycarbonate: Plus or minus 5 percent of nominal thickness on the middle 90 percent of width; plus or minus 10 percent of nominal thickness on the remaining width (edges).

Indoor use plastic materials Class 1: Plus or minus 5 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

#### PE.1

Sheet plastics for exterior use must comply with paragraph 4.3 of the ANSI Z97.1-1975. (UV Weathering).

#### PE.2

Certification of plastics for exterior use shall be permitted prior to completion of ANSI Z97.1-1975. Weathering Tests (paragraph 4.3) 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 re-evaluation samples and shall be compared with that of the prototype in lieu of conducting weathering tests. 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

#### PI.1

Sheet plastics used in indoor applications only, do not have to comply with paragraph 4.3 of ANSI Z97.1-1975 (UV Weathering) but must comply with paragraph 4.5.

#### PI.2

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

### LEADED PATTERNED ANNEALED GLASS

#### LG.1

Certification of one leaded patterned glass (annealed) may be extended to cover other patterns (on the glass surface) 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 Z97.1-1975 for each alternate pattern proposed.

c) The certification committee is provided with a 6 by 6 inch sample of each proposed alternate for its record and file. This must be sent to the administrator of the certification program.

d) After admission under blanket certification covering leaded patterned annealed glass, any such patterns available may be selected by the administrator for routine testing.

#### LG.2

Certification of one diamond shaped leaded patterned (annealed) glass may be extended to cover other sizes of diamonds provided:

a) All aspects of the product except diamond size is 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 - 1975 for each alternate size diamond proposed.

c) The certification committee is provided with a 6 by 6 inch or a proper and representative 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, any such size diamond available may be selected by the administrator for routine testing.

#### LG.3

For leaded diamond patterned annealed glass the tolerance for diagonal came center dimensions shall be plus or minus 10 percent.

Prototype sample must have diagonal came center dimensions at the upper limit of the dimensional tolerance. Diamond size listed in the certified products directory shall be nominal dimensions.

Prototype diamond dimension equals 1.10 times nominal diamond dimension.

### ORGANIC COATED GLASS

#### AG.1

Thickness of the applied plastic coating shall be measured by the SGCC standard method.

#### 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.

\* \* \* \* \*

\* \* \* \* \*

**ANSI Z97.1-1975 Safety Performance Specifications and Methods of Test  
for Safety Glazing Material Used in Buildings**

The purpose of Z97.1-1975 is to prescribe the functional properties of safety glazing materials so that they can be used in any place in buildings for which they possess the requisite characteristics. Intended to serve as a convenient reference for building officials, this new and important document is designed to provide a basis for standards that may be incorporated in federal, state, and local regulations.

**ANSI Z97.1-1975  
may be  
obtained at \$4.00  
per copy from  
the American National  
Standards Institute**

**AMERICAN NATIONAL STANDARDS INSTITUTE  
1430 BROADWAY  
NEW YORK, NEW YORK 10018**



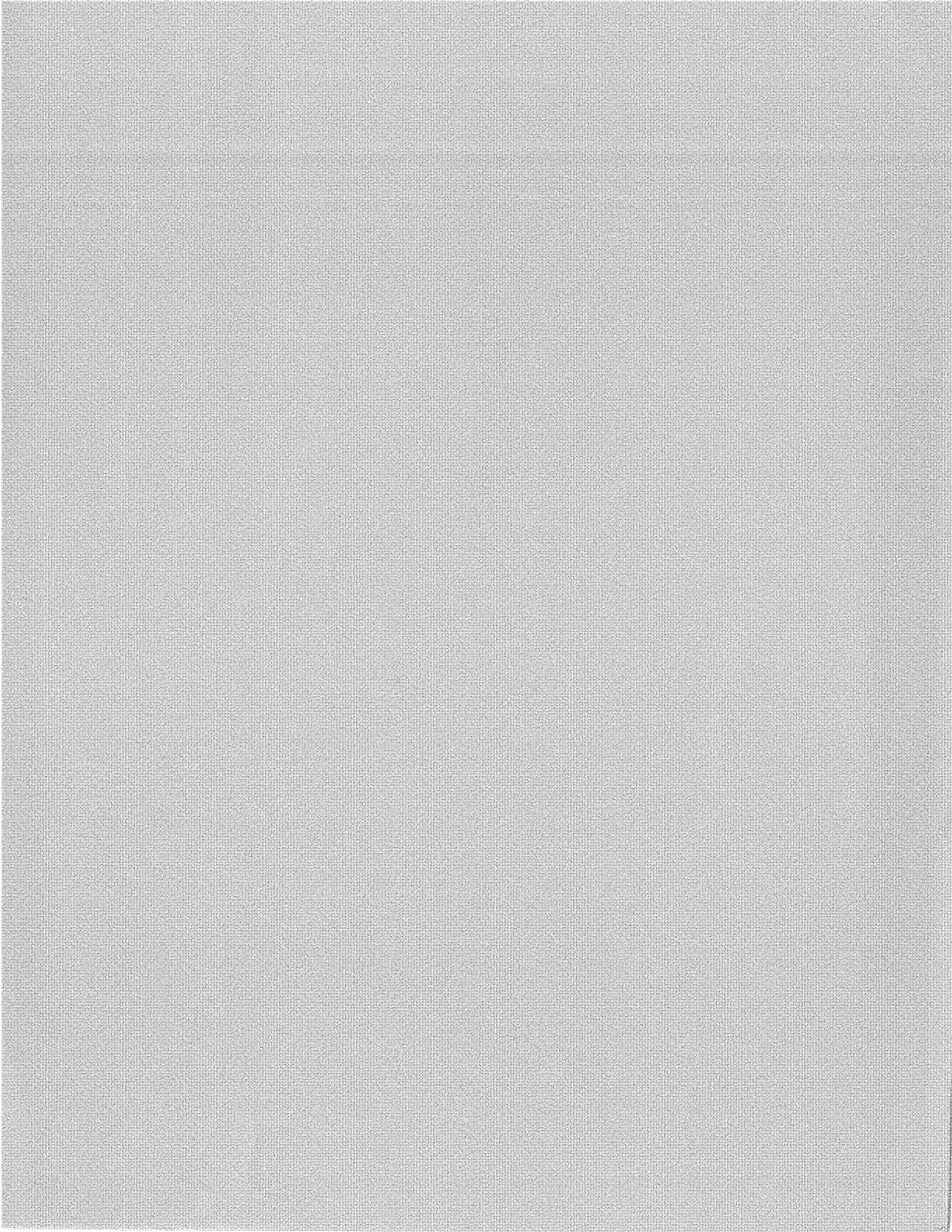
Enclosed is my payment of . . . . . Please send . . . . . ANSI Z97.1-1975.

Name \_\_\_\_\_

Organization \_\_\_\_\_ Title \_\_\_\_\_

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City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_





future editions of this certified products directory  
will be sent to individuals making a request on their  
corporate letterhead.



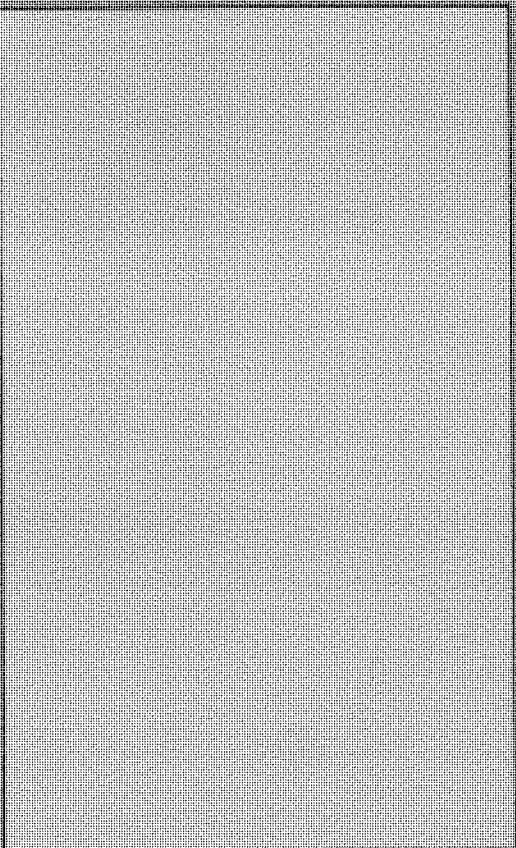
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