

JANUARY 1, 1976



safety glazing certification council

certified products directory
safety glazing material used in buildings

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 Z97.1-1972, 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 Z97.1-1972 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 Z97.1-1972. 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.

BOARD OF DIRECTORS

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Orville L. Pierson, Vice President
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Shirley Stafford, Assistant Secretary
Thomas C. Carson, Treasurer

Certification in this directory is up-to-date as of January 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 questions or comments should be directed to:

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Safety Glazing Certification Council

SGCC CERTIFICATION COMMITTEE

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

Participants with certified items:

Participant	Primary Member	First Alternate	Second Alternate
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American Cyanamid	H. Patrick Toner	C. S. Hermann	John Lindsay
Armour Laminated	M. H. Russell		
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Canadian Pittsburgh	J. M. Peeters	F. T. Barker	Richard T. McGuire
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Chromalloy-Safetee	Earle D. Moiles	Steve Zabetakis	
Dearborn Glass	Joseph W. Falls	Herman R. Paulick	
Downey Glass	Jim Pinsky		
Falconer Plate Glass	Richard E. Turner	Leight T. Yates	
Feather-lite	Avery C. Fried		
Flex-O-Glass	Harold G. Warp	Delbert Christensen	
Ford Motor Company	Richard L. Morrison	E. L. Henrickson	
Fourco Glass	John Linder	Frank James	
General Electric	Paul J. Ferrigan		
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Guardian	Pieter Knorr	Robert Hayes	Tom Van Rhein
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K-S-H	Larry W. Cornell	William W. Korn	L. James Horvath
LOF Glass	Donald J. Vild	Leroy E. Drake, Jr.	John C. Morgan
Laminated Glass	Martin W. Lerner	F. J. Diemer	Robert P. Lerner
Libbey-Owens-Ford	Donald J. Vild	Leroy E. Drake, Jr.	John C. Morgan
Minex-Poland	Maurice L. Burke		
Northwestern Industries	Norman G. Heutmaker		
Ohio Plate Glass	W. Gene Gilbert	James C. Clark	
PPG Industries	Richard T. McGuire	Frederick S. Deans	Robert W. McKinley
Paulding Glass	George Rhonehouse, Sr.	George Rhonehouse, Jr.	Donald E. Rhonehouse
Plaskolite	Homer H. Goldsberry	Robert Yeoman	Harley Thomas
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Southern Plastics	D. W. Weber	L. Drozeski, Jr.	William H. Schneider
Swedlow	Charles E. Edenfield	J. W. Hunt	
Tempered Glass	Paul F. Tumey	Richard E. Elvin	Jerry Bienenfeld
Temp-Safe	Lewis E. Hunt, Jr.		
Texas Tempered Glass	Frank L. McGeary		
Tudor Safety Glass	Peter Fineman	Geoffrey Barrett	
Tuf-flex Glass	Bernard Nathan	Joseph O. Kramer	Donald J. Vild
Vidrios Securit	Jaime Urrutia		
Viracon	Harold Landsman	James Full	
Virginia Glass	Robert L. Brown	Brooks R. Leavitt	A. P. Stillman
Visador	James Seale	Roger Hall	Gerald L. Reynolds

Members from those without certified products:

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Mobay	J. M. Rich	L. Gable	
Three M	Caryl E. Twitchell	Louis F. Masonick	G. A. Berger

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National Safety Council	Phil Dykstra
Wiss, Janney and Elstner	Richard C. Elstner
Consumer	Mrs. Sylvia Lay
Texas Tech University	Joseph E. Minor
Federal Housing Administration	Lynford K. Snell
Consumer	Dr. Orville L. Pierson
Glasstech	Norman Nitschke

SGCC Certification Program Administrator:

Robert A. Nance, CSC
Vito Ramunas, CSC
Carl R. Walden, CSC

Auditor:

Joseph B. Press, CPA

Legal Counsel:

Samuel Steen, Esquire

MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Safety Glazing Certification Council met on February 4 and 5, May 6 and 7, and on September 29, 30 and October 1 during 1975. Interested persons may obtain minutes of these meetings by writing to the Safety Glazing Certification Council.

SGCC BOARD OF DIRECTORS

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CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 11 Feather-lite	SGCC-108 C-E Glass	SGCC-227 Viracon
SGCC- 12 Virginia Glass	SGCC-110 Texas Tempered Glass	SGCC-228 Viracon
SGCC- 14 Virginia Glass	SGCC-114 PPG Industries	SGCC-229 Tuf-flex
SGCC- 17 ICP Industries	SGCC-118 Flex-O-Glass	SGCC-232 Viracon
SGCC- 18 Southern Plastics	SGCC-125 C-E Glass	SGCC-233 Viracon
SGCC- 19 Libbey-Owens-Ford	SGCC-127 Hamilton of Indiana	SGCC-237 Safelite Industries
SGCC- 24 ASG Industries	SGCC-128 Hamilton of Indiana	SGCC-238 Ohio Plate Glass
SGCC- 26 ASG Industries	SGCC-129 Hamilton of Indiana	SGCC-245 C-E Glass
SGCC- 27 ASG Industries	SGCC-131 Guardian Industries	SGCC-246 C-E Glass
SGCC- 28 ASG Industries	SGCC-136 K-S-H	SGCC-248 PPG Industries
SGCC- 31 ASG Industries	SGCC-137 Texas Tempered Glass	SGCC-249 PPG Industries
SGCC- 34 Fourco Glass	SGCC-138 Texas Tempered Glass	SGCC-250 PPG Industries
SGCC- 35 Fourco Glass	SGCC-140 Minex-Poland	SGCC-251 Canadian Pittsburgh
SGCC- 36 Fourco Glass	SGCC-141 ASG Industries	SGCC-252 Tyre Brothers
SGCC- 37 Vidrierias De Llodio	SGCC-145 C-E Glass	SGCC-253 Tyre Brothers
SGCC- 38 Vidrierias De Llodio	SGCC-146 C-E Glass	SGCC-254 Tyre Brothers
SGCC- 39 Guardian Industries	SGCC-147 Dearborn Glass	SGCC-255 Tyre Brothers
SGCC- 40 Guardian Industries	SGCC-150 Libbey-Owens-Ford	SGCC-256 Tyre Brothers
SGCC- 41 Guardian Industries	SGCC-151 Libbey-Owens-Ford	SGCC-257 Tuf-flex
SGCC- 42 Guardian Industries	SGCC-152 Plaskolite	SGCC-258 Tuf-flex
SGCC- 43 Guardian Industries	SGCC-153 Rohm and Haas	SGCC-263 Guardian Industries
SGCC- 46 Asahi Glass	SGCC-154 Rohm and Haas	SGCC-264 Guardian Industries
SGCC- 47 C-E Glass	SGCC-157 Chromalloy-Safetee	SGCC-265 C-E Glass
SGCC- 49 C-E Glass	SGCC-160 Guardian Industries	SGCC-266 PPG Industries
SGCC- 50 C-E Glass	SGCC-162 Southern Plastics	SGCC-267 PPG Industries
SGCC- 54 Hamilton of Indiana	SGCC-173 Sheffield Plastics	SGCC-269 Tudor Safety
SGCC- 55 Hamilton of Indiana	SGCC-181 Chromalloy-Safetee	SGCC-270 Tuf-flex
SGCC- 56 Hamilton of Indiana	SGCC-182 Chromalloy-Safetee	SGCC-272 PPG Industries
SGCC- 57 Hamilton of Indiana	SGCC-183 American Cyanamid	SGCC-273 PPG Industries
SGCC- 59 PPG Industries	SGCC-184 C-E Glass	SGCC-274 M. L. Burke
SGCC- 60 PPG Industries	SGCC-185 Ohio Plate Glass	SGCC-279 Ohio Plate Glass
SGCC- 61 PPG Industries	SGCC-186 Ohio Plate Glass	SGCC-286 Vidrierias De Llodio
SGCC- 63 PPG Industries	SGCC-187 Ohio Plate Glass	SGCC-291 Fourco Glass
SGCC- 64 PPG Industries	SGCC-188 Ohio Plate Glass	SGCC-292 Fourco Glass
SGCC- 65 PPG Industries	SGCC-189 Taylor Products	SGCC-293 Fourco Glass
SGCC- 70 PPG Industries	SGCC-190 Taylor Products	SGCC-295 PPG Industries
SGCC- 73 PPG Industries	SGCC-191 Taylor Products	SGCC-297 Fourco Glass
SGCC- 74 PPG Industries	SGCC-192 Taylor Products	SGCC-298 Tuf-flex
SGCC- 75 PPG Industries	SGCC-194 PPG Industries	SGCC-300 Guardian Industries
SGCC- 76 C-E Glass	SGCC-195 PPG Industries	SGCC-308 Falconer Plate Glass
SGCC- 78 Guardian Industries	SGCC-196 PPG Industries	SGCC-310 Falconer Plate Glass
SGCC- 82 Libbey-Owens-Ford	SGCC-200 PPG Industries	SGCC-311 Falconer Plate Glass
SGCC- 88 Laminated Glass	SGCC-201 C-E Glass	SGCC-314 Tuf-flex
SGCC- 89 ASG Industries	SGCC-203 Ohio Plate Glass	SGCC-315 Tuf-flex
SGCC- 90 ASG Industries	SGCC-204 Armour Laminated	SGCC-316 Rotuba Extruders
SGCC- 91 ASG Industries	SGCC-205 Armour Laminated	SGCC-318 C-E Glass
SGCC- 92 Virginia Glass	SGCC-206 Armour Laminated	SGCC-319 C-E Glass
SGCC- 93 Virginia Glass	SGCC-209 Canadian Pittsburgh	SGCC-320 Tuf-flex
SGCC- 94 Virginia Glass	SGCC-210 Robeco Products	SGCC-321 Tuf-flex
SGCC- 95 Virginia Glass	SGCC-217 ASG Industries	SGCC-322 Tuf-flex
SGCC- 97 Guardian Industries	SGCC-219 PPG Industries	SGCC-323 Tuf-flex
SGCC- 98 Guardian Industries	SGCC-220 ASG Industries	SGCC-328 Ohio Plate Glass
SGCC- 99 K-S-H	SGCC-221 K-S-H	SGCC-330 C-E Glass
SGCC-102 PPG Industries	SGCC-224 ASG Industries	SGCC-331 C-E Glass
SGCC-104 Guardian Industries	SGCC-225 Safelite Industries	SGCC-332 C-E Glass

SGCC-333 C-E Glass	SGCC-418 K-S-H	SGCC-506 General Electric
SGCC-336 C-E Glass	SGCC-419 C-E Glass	SGCC-508 Central Glass
SGCC-337 Tempered Glass	SGCC-420 Gladwin	SGCC-509 Visador
SGCC-338 Tempered Glass	SGCC-421 Tempered Glass	SGCC-510 Visador
SGCC-341 Ford Motor Company	SGCC-424 Societa Italiana Vetro	SGCC-511 C-E Glass
SGCC-342 Ford Motor Company	SGCC-425 Guardian Industries	SGCC-512 Downey Glass
SGCC-344 C-E Glass	SGCC-426 PPG Industries	SGCC-514 Downey Glass
SGCC-345 C-E Glass	SGCC-427 PPG Industries	SGCC-515 Downey Glass
SGCC-346 C-E Glass	SGCC-429 PPG Industries	SGCC-516 Downey Glass
SGCC-347 Tempered Glass	SGCC-430 PPG Industries	SGCC-518 Break-Safe
SGCC-348 Tempered Glass	SGCC-431 PPG Industries	SGCC-519 Break-Safe
SGCC-349 ASG Industries	SGCC-440 Temp-Safe	SGCC-520 Anglass Industries
SGCC-350 LOF Glass	SGCC-441 Temp-Safe	SGCC-521 Armour Laminated
SGCC-351 LOF Glass	SGCC-442 K-S-H	SGCC-522 Armour Laminated
SGCC-352 LOF Glass	SGCC-443 Guardian Industries	SGCC-523 Taiwan Glass
SGCC-357 Armour Laminated	SGCC-444 Libbey-Owens-Ford	SGCC-524 Taiwan Glass
SGCC-358 Armour Laminated	SGCC-445 Globe-Amerada	SGCC-525 Tuf-flex
SGCC-359 Sheffield Plastics	SGCC-446 PPG Industries	SGCC-526 Chromalloy-Safetee
SGCC-360 C-E Glass	SGCC-448 Vidrierias De Llodio	SGCC-527 Break-Safe
SGCC-361 C-E Glass	SGCC-449 Libbey-Owens-Ford	SGCC-528 Break-Safe
SGCC-371 C-E Glass	SGCC-450 Libbey-Owens-Ford	SGCC-529 Break-Safe
SGCC-373 LOF Glass	SGCC-451 Libbey-Owens-Ford	SGCC-530 Guardian Industries
SGCC-374 LOF Glass	SGCC-452 C-E Glass	SGCC-532 Temp-Safe
SGCC-375 LOF Glass	SGCC-453 C-E Glass	SGCC-533 Armour Laminated
SGCC-378 Chromalloy-Safetee	SGCC-454 PPG Industries	SGCC-534 Armour Laminated
SGCC-379 Chromalloy-Safetee	SGCC-455 PPG Industries	SGCC-535 Lancaster Products
SGCC-380 Chromalloy-Safetee	SGCC-456 PPG Industries	SGCC-536 ASG Industries
SGCC-381 Chromalloy-Safetee	SGCC-458 Guardian Industries	SGCC-537 Break-Safe
SGCC-382 PPG Industries	SGCC-460 ASG Industries	SGCC-538 Lancaster Products
SGCC-384 PPG Industries	SGCC-463 Viracon	SGCC-540 ASG Industries
SGCC-385 C-E Glass	SGCC-464 Libbey-Owens-Ford	SGCC-541 C-E Glass
SGCC-386 Libbey-Owens-Ford	SGCC-470 Visador	SGCC-542 Guardian Industries
SGCC-389 Tuf-flex	SGCC-471 Guardian Industries	SGCC-543 Central Glass
SGCC-390 Tuf-flex	SGCC-474 PPG Industries	SGCC-544 Libbey-Owens-Ford
SGCC-391 Tuf-flex	SGCC-475 PPG Industries	SGCC-545 LOF Glass
SGCC-392 Tuf-flex	SGCC-476 Minex-Poland	SGCC-546 C-E Glass
SGCC-396 Ford Motor Company	SGCC-478 Northwestern Industries	SGCC-547 ASG Industries
SGCC-397 Ford Motor Company	SGCC-479 Northwestern Industries	SGCC-548 IRDA Greek Safety Glass
SGCC-398 M. L. Burke	SGCC-481 Northwestern Industries	SGCC-549 IRDA Greek Safety Glass
SGCC-399 M. L. Burke	SGCC-482 Tuf-flex	SGCC-550 IRDA Greek Safety Glass
SGCC-400 PPG Industries	SGCC-483 Tuf-flex	SGCC-551 Armour Laminated
SGCC-402 PPG Industries	SGCC-484 Guardian Industries	SGCC-552 Globe-Amerada Glass
SGCC-403 PPG Industries	SGCC-487 Guardian Industries	SGCC-553 Central Glass
SGCC-404 PPG Industries	SGCC-488 Temp-Safe	SGCC-554 Globe-Amerada Glass
SGCC-405 PPG Industries	SGCC-489 C-E Glass	SGCC-555 Societa Italiana Vetro
SGCC-406 Guardian Industries	SGCC-490 Tuf-flex	SGCC-556 Societa Italiana Vetro
SGCC-407 C-E Glass	SGCC-491 Tuf-flex	SGCC-557 Gladwin
SGCC-409 Guardian Industries	SGCC-496 Mitsubishi Rayon	SGCC-558 Rohm and Haas
SGCC-410 C-E Glass	SGCC-499 ASG Industries	SGCC-559 Swedcast
SGCC-411 C-E Glass	SGCC-500 Northwestern Industries	SGCC-560 Swedcast
SGCC-412 C-E Glass	SGCC-501 Northwestern Industries	SGCC-561 Buchmin Industries
SGCC-413 C-E Glass	SGCC-502 Northwestern Industries	SGCC-562 Ohio Plate Glass
SGCC-414 C-E Glass	SGCC-503 C-E Glass	SGCC-563 C-E Glass
SGCC-415 M. L. Burke	SGCC-504 Guardian Industries	SGCC-564 Buchmin Industries

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

ASG Industries, Inc.; Greenland, Tennessee

SGCC-224	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

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-349	1/4	inch	polished wire glass (1/2 inch square mesh)	Unlimited size
SGCC-460	1/4	inch	polished wire glass (3/4 inch diamond mesh)	Unlimited size
SGCC-536	1/4	inch	polished wire glass (3/4 inch diamond mesh)	Unlimited size
SGCC-217	1/4	inch	polished wire glass (Pinstripe; 1/2 inch parallel)	Unlimited size
SGCC-540	7/32	inch	pattern wire 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-204	3/16	inch	tempered transparent glass	Unlimited size
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

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-518	single	strength annealed glass; 0.002 inch plastic coating	Unlimited size
SGCC-527	double	strength annealed glass; 0.002 inch plastic coating	Unlimited size
SGCC-528	3/16	inch annealed glass; 0.002 inch plastic coating	Unlimited size
SGCC-529	1/4	inch annealed glass; 0.002 inch plastic coating	Unlimited size
SGCC-537	3/16	inch annealed glass mirror; 0.003 inch plastic coating	Unlimited size
SGCC-519	1/4	inch annealed glass mirror; 0.002 inch plastic coating	Unlimited size

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 18.

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-398	1/4	inch	tempered transparent glass	Unlimited size
SGCC-399	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-541	3/16	inch	tempered transparent glass	Unlimited size
SGCC-318	1/4	inch	tempered transparent glass	Unlimited size
SGCC-319	7/32	inch	tempered pattern glass (shallow patterns)	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)	28" by 39"

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-546	1/4	inch	polished wire glass (1/2 inch square mesh)	Unlimited size
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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

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

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, Canada

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 wire glass (3/4 inch diamond mesh)	Unlimited size
SGCC-543	1/4	inch	polished wire 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-310	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

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

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

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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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 (Ripple) (Indoor use only)	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 interlayer)	Unlimited size

Guardian Industries Corporation; Carleton, Michigan

SGCC-504	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
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
SGCC- 42	7/32	inch	tempered pattern glass (shallow patterns)	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
SGCC-542	1/2	inch	laminated transparent glass	Unlimited size

Guardian Industries Corporation; Webster, Massachusetts

SGCC-300	1/8	inch	tempered transparent glass	Unlimited size
SGCC-443	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
SGCC-104	3/16	inch	tempered transparent glass	Unlimited size
SGCC-530	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- 55	7/32	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

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

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
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SGCC-549	5/32:5/32	inch	laminated transparent glass	Unlimited size
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SGCC-550	3/8	inch	laminated transparent glass	Unlimited size
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K-S-H, Inc.; Crestwood, Missouri

SGCC-442	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
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SGCC-418	3/32	inch	through 3/16 inch pattern extruded acrylic (Calypso, Casbah, Lido, Seedy, Slate, Diamond, Roundel, Glacial)	Unlimited size
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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-221	0.100	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Calypso, Glacial, Starlite, Roundel)	Unlimited size
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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
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SGCC-545	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
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SGCC-351	3/16	inch	tempered transparent glass	Unlimited size
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SGCC-352	1/4	inch	tempered transparent glass	Unlimited size
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SGCC-373	5/16	inch	tempered transparent glass	Unlimited size
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SGCC-374	3/8	inch	tempered transparent glass	Unlimited size
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SGCC-375	1/2	inch	tempered transparent glass	Unlimited size
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Laminated Glass Corporation; Detroit, Michigan

SGCC- 88	7/32	inch	laminated transparent glass	Unlimited size
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Lancaster Products Company; Redondo Beach, California

SGCC-535	0.080	inch	through 0.125 inch smooth extruded acrylic	34" by 72"
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SGCC-538	0.080	inch	smooth extruded plastic (Indoor use only)	34" by 72"
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Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-450	SS/SS		laminated transparent glass	Unlimited size
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SGCC-451	SS/DS		laminated transparent glass	Unlimited size
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SGCC- 82	1/4	inch	laminated transparent glass	Unlimited size
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Libbey-Owens-Ford Company; Rossford, Ohio

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

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

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

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-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)	28" by 54"
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

PPG Industries, Inc.; Creighton, Pennsylvania

SGCC-114	1/4	inch	laminated transparent glass	Unlimited size
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PPG Industries, Inc.; Crestline, Ohio

SGCC- 60	1/8	inch	tempered transparent glass	Unlimited size
SGCC- 65	3/16	inch	tempered transparent glass	Unlimited size
SGCC-102	1/4	inch	tempered transparent glass	26 3/4" by 72"
SGCC-446	3/16	inch	tempered pattern glass (deep patterns)	Unlimited size

PPG Industries, Inc.; Dallas, Texas

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)	Unlimited size

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

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	Unlimited size
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)	Unlimited size
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)	Unlimited size
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	Unlimited size
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)	Unlimited size
Plaskolite, Inc.; Columbus, Ohio				Unlimited size
SGCC-152	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
Robeco Products, Inc.; Tainan, Taiwan				Unlimited size
SGCC-210	0.080	inch	and greater thicknesses smooth cast acrylic	Unlimited size
Rohm and Haas Company; Kensington, Connecticut				Unlimited size
SGCC-558	0.090	inch	and greater thicknesses smooth extruded polycarbonate	Unlimited size
Rohm and Haas Company; Knoxville, Tennessee				Unlimited size
SGCC-153	0.080	inch	and greater thicknesses smooth cast acrylic	Unlimited size
Rohm and Haas Company; Louisville, Kentucky				Unlimited size
SGCC-154	0.080	inch	and greater thicknesses smooth cast acrylic	Unlimited size
Rotuba Extruders, Inc.; Linden, New Jersey				Unlimited size
SGCC-316	0.080	inch	and greater thicknesses smooth extruded acrylic	Unlimited size
Safelite Industries; Denver, Colorado				Unlimited size
SGCC-237	1/4	inch	laminated transparent glass	Unlimited size
Safelite Industries; Wichita, Kansas				Unlimited size
SGCC-225	1/8	inch	tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

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-424	1/4 inch	laminated transparent glass	Unlimited size
SGCC-555	7/32 inch	polished wire glass (1/2 inch square mesh)	Unlimited size
SGCC-556	1/4 inch	polished wire glass (3/4 inch square 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
Taiwan Glass Corporation; Taipei, Taiwan			
SGCC-524	1/8 inch	tempered transparent glass	34" by 36 1/2"
SGCC-523	3/16 inch	tempered transparent glass	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
Temp-Safe, Inc.; Edmond, Oklahoma			
SGCC-440	3/16 inch	tempered transparent glass	Unlimited size
SGCC-441	1/4 inch	tempered transparent glass	Unlimited size
SGCC-532	3/8 inch	tempered transparent glass	Unlimited size
SGCC-488	1/2 inch	tempered transparent glass	Unlimited size
Texas Tempered Glass Company; Houston, Texas			
SGCC-110	3/16 inch	tempered transparent glass	Unlimited size
SGCC-137	1/4 inch	tempered transparent glass	Unlimited size
SGCC-138	7/32 inch	tempered pattern glass (shallow patterns)	Unlimited size
Tudor Safety Glass Company, Ltd.; Queenborough, Kent, England			
SGCC-269	1/4 inch	laminated transparent glass	Unlimited size
Tuf-flex Glass, Inc.; Atlanta, Georgia			
SGCC-320	3/16 inch	tempered transparent glass	Unlimited size
SGCC-321	1/4 inch	tempered transparent glass	Unlimited size
SGCC-322	3/8 inch	tempered transparent glass	Unlimited size
SGCC-323	1/2 inch	tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 18.

Tuf-flex Glass, Inc.; Elmhurst, Illinois

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

Tuf-flex Glass, Inc.; Irving, Texas

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

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

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

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

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

Tyre Brothers Glass Company; Los Angeles, California

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

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

SGCC-286	1/8	inch	tempered transparent glass	Unlimited size
SGCC-448	5/32	inch	tempered transparent glass (32 ounce)	Unlimited size
SGCC- 38	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 37	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	lead transparent glass (4.20 by 9.89 inch diamond and 3.76 by 7.95 inch diamond)	Unlimited size
SGCC-509	1/8	inch	lead pattern glass (3.76 by 7.95 inch diamond and 4.32 by 9.83 inch diamond) (Cathedral)	25" by 67"
SGCC-510	3/16	inch	lead pattern glass (3.76 by 7.95 inch diamond and 4.32 by 9.86 inch diamond) (Flemish)	25" by 67"

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	Rattan
Cotswold	Seashell
Flex	Skytex
Flemish	Smooth Rough
Patchwork	

1/8 inch deep

Autumn

3/16 inch shallow

Pattern 62	P-516
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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

Lozenge

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

TEMPERED TRANSPARENT GLASS

1/8 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee
 Anglass Industries, Inc.; San Fernando, California
 M. L. Burke Company; Cornwells Heights, Pennsylvania
 C-E Glass; Carson, California
 C-E Glass; Cinnaminson, New Jersey
 C-E Glass; Lancaster, Ohio; Quarry Road
 C-E Glass; Warrenton, Missouri
 Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario
 Ford Motor Company; Dearborn, Michigan
 Fourco Glass Company; Clarksburg, West Virginia
 Guardian Industries Corporation; Webster, Massachusetts
 Hamilton of Indiana, Inc.; Vincennes, Indiana
 LOF Glass, Inc.; Laurinburg, North Carolina
 Northwestern Industries, Inc.; Seattle, Washington
 Ohio Plate Glass Company; Lewisburg, Ohio
 PPG Industries, Inc.; Carlisle, Pennsylvania
 PPG Industries, Inc.; Crestline, Ohio
 PPG Industries, Inc.; Fresno, California
 PPG Industries, Inc.; Mt. Zion, Illinois
 Safelite Industries; Wichita, Kansas
 Taiwan Glass Corporation; Taipei, Taiwan
 Vidrierias De Llodio, S. A.; Alava, Spain

SGCC-224 Unlimited size
 SGCC-520 Unlimited size
 SGCC-415 Unlimited size
 SGCC-453 Unlimited size
 SGCC-489 Unlimited size
 SGCC-184 Unlimited size
 SGCC-360 Unlimited size
 SGCC-251 Unlimited size
 SGCC-341 Unlimited size
 SGCC-297 Unlimited size
 SGCC-300 Unlimited size
 SGCC- 54 Unlimited size
 SGCC-350 Unlimited size
 SGCC-478 Unlimited size
 SGCC-187 Unlimited size
 SGCC-250 Unlimited size
 SGCC- 60 Unlimited size
 SGCC-295 Unlimited size
 SGCC- 59 Unlimited size
 SGCC-225 Unlimited size
 SGCC-524 34" by 36 1/2"
 SGCC-286 Unlimited size

5/32 inch tempered transparent glass (32 ounce)

C-E Glass; Cinnaminson, New Jersey
 Ford Motor Company; Dearborn, Michigan
 Guardian Industries Corporation; Carleton, Michigan
 Guardian Industries Corporation; Webster, Massachusetts
 LOF Glass, Inc.; Laurinburg, North Carolina
 Vidrierias De Llodio, S. A.; Alava, Spain

SGCC-503 Unlimited size
 SGCC-396 Unlimited size
 SGCC-504 Unlimited size
 SGCC-443 Unlimited size
 SGCC-545 Unlimited size
 SGCC-448 Unlimited size

3/16 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee
 ASG Industries, Inc.; Kingsport, Tennessee
 Armour Laminated Glass Company, Inc.; Santa Fe Springs, California
 Asahi Glass Company, Ltd.; Tokyo, Japan
 M. L. Burke Company; Cornwells Heights, Pennsylvania
 C-E Glass; Atlanta, Georgia
 C-E Glass; Bensenville, Illinois
 C-E Glass; Carson, California
 C-E Glass; Cinnaminson, 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
 Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario
 Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC-220 Unlimited size
 SGCC- 28 Unlimited size
 SGCC-204 Unlimited size
 SGCC- 46 Unlimited size
 SGCC-274 Unlimited size
 SGCC-407 Unlimited size
 SGCC-541 Unlimited size
 SGCC-410 Unlimited size
 SGCC-245 Unlimited size
 SGCC-145 Unlimited size
 SGCC-330 30" by 39"
 SGCC- 76 Unlimited size
 SGCC-385 Unlimited size
 SGCC-336 Unlimited size
 SGCC-209 Unlimited size
 SGCC-526 Unlimited size

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

3/16 inch tempered transparent glass - continued

Downey Glass Company; Los Angeles, California	SGCC-512	Unlimited size
Feather-lite Manufacturing Company; Hot Springs, Arkansas	SGCC- 11	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC-342	Unlimited size
Fourco Glass Company; Clarksburg, West Virginia; Rolland Division	SGCC-291	Unlimited size
Fourco Glass Company; Fort Smith, Arkansas	SGCC- 36	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC-406	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 78	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC-409	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-104	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC- 56	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-351	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-386	Unlimited size
Minex-Poland; Jaroszwieci, Poland	SGCC-476	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-479	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-185	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC-454	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC-249	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC-266	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC- 65	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC-400	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 61	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC- 64	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC-195	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 63	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts	SGCC-427	Unlimited size
Taiwan Glass Corporation; Taipei, Taiwan	SGCC-523	Unlimited size
Taylor Products, Inc.; Payne, Ohio	SGCC-190	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-347	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC-440	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC-110	Unlimited size
Tuf-flex Glass, Inc.; Atlanta, Georgia	SGCC-320	Unlimited size
Tuf-flex Glass, Inc.; Elmhurst, Illinois	SGCC-257	Unlimited size
Tuf-flex Glass, Inc.; Irving, Texas	SGCC-389	Unlimited size
Tuf-flex Glass, Inc.; Saddle Brook, New Jersey	SGCC-525	Unlimited size
Tuf-flex Glass, Inc.; Union City, California	SGCC-490	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-252	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC- 38	Unlimited size
Viracon, Inc.; Owatonna, Minnesota	SGCC-227	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 12	Unlimited size

7/32 inch tempered transparent glass

C-E Glass; Lancaster, Ohio; Slocum Street	SGCC-331	30" by 39"
Fourco Glass Company; Clarksburg, West Virginia	SGCC-292	Unlimited size
Fourco Glass Company; Fort Smith, Arkansas	SGCC- 35	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 39	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC-425	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC- 55	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-279	Unlimited size

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

7/32 inch tempered transparent glass - continued

Taylor Products Corporation; Payne, Ohio
Vidrierias De Llodio, S.A.; Alava, Spain

SGCC-192 Unlimited size
SGCC- 37 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
M. L. Burke Company; Cornwells Heights, Pennsylvania
C-E Glass; Atlanta, Georgia
C-E Glass; Bensenville, Illinois
C-E Glass; Carson, California
C-E Glass; Cinnaminson, 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
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-398 Unlimited size
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-530 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-441 Unlimited size
SGCC-137 Unlimited size

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

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-310	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
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-182	Unlimited size

CERTIFIED PRODUCTS BY PRODUCT TYPE T T Y P E

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

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
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.; 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 (medium 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
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

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

7/32 inch tempered pattern glass

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-399	Unlimited size
C-E Glass; Atlanta, Georgia (shallow patterns)	SGCC-125	Unlimited size
C-E Glass; Bensenville, Illinois (shallow patterns)	SGCC-319	Unlimited size
C-E Glass; Cinna-minson, New Jersey (shallow patterns)	SGCC-265	Unlimited size
C-E Glass; Lancaster, Ohio (Slocum Street) (shallow patterns)	SGCC-333	28" by 39"
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; Fort Lauderdale, Florida (shallow patterns)	SGCC- 42	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; Jaroszwieci, Poland (shallow patterns)	SGCC-140	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington (shallow patterns)	SGCC-502	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (shallow patterns)	SGCC-562	28" by 54"
Ohio Plate Glass Company; Lewisburg, Ohio (medium patterns)	SGCC-238	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland (shallow patterns)	SGCC-456	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
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

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

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
Societa Italiana Vetro, S.p.A.; San Salvo, Italy	SGCC-237	Unlimited size
Tudor Safety Glass Company, Ltd.; Queenborough, Kent, England	SGCC-424	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 interlayer)		
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC-552	Unlimited size
IRDA Greek Safety Glass Industrial Company, Inc.; Volos, Greece (0.030 inch interlayer)	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
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC-381	Unlimited size
	SGCC-542	Unlimited size

TRANSPARENT WIRE GLASS

7/32 inch polished wire glass

Societa Italiana Vetro, S.p.A.; San Salvo, Italy	SGCC-555	Unlimited size
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1/4 inch polished wire glass

ASG Industries, Inc.; Kingsport, Tennessee (1/2 inch square mesh)	SGCC-349	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (3/4 inch diamond mesh)	SGCC-460	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (3/4 inch diamond mesh)	SGCC-536	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe, 1/2 inch parallel)		
	SGCC-217	Unlimited size
C-E Glass; St. Louis, Missouri (1/2 inch square mesh)	SGCC-546	Unlimited size
Central Glass Company Ltd.; Tokyo, Japan (3/4 inch diamond mesh)	SGCC-508	Unlimited size
Central Glass Company Ltd.; Tokyo, Japan (1/2 inch square mesh)	SGCC-543	Unlimited size
Societa Italiana Vetro, S.p.A.; San Salvo, Italy (3/4 inch diamond mesh)		
	SGCC-556	Unlimited size

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

PATTERN WIRE GLASS

7/32 inch pattern wire glass

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

SGCC-540 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)

(SWEDGLAZE SG)

SGCC-559 Unlimited size

Swedcast Corporation; Florence, Kentucky (cast; smooth)

(SWEDGLAZE SG-B)

SGCC-560 Unlimited size

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

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

SGCC-557 Unlimited size

K-S-H, Inc.; Crestwood, Missouri (extruded; smooth)

SGCC-442 Unlimited size

Manchester Products Company; Redondo Beach, California

(extruded; smooth)

SGCC-535 34" by 72"

Maskolite, 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 (extruded;

smooth)

SGCC-162 Unlimited size

0.090 inch and greater thicknesses polycarbonate

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

SGCC-558 Unlimited size

1/32 inch through 3/16 inch acrylic

K-S-H, Inc.; Crestwood, Missouri (extruded; pattern) (Calypso, Casbah, Lido, Seedy, Slate, Diamond, Roundel, Glacial)

SGCC-418 Unlimited size

PLASTIC COATED GLASS

Single Strength annealed glass; 0.002 inch plastic coating

Peak-Safe, Inc.; Chicago, Illinois

SGCC-518 Unlimited size

Double Strength annealed glass; 0.002 inch plastic coating

Peak-Safe, Inc.; Chicago, Illinois

SGCC-527 Unlimited size

CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 8.

3/16 inch annealed glass; 0.002 inch plastic coating
Break-Safe, Inc.; Chicago, Illinois

SGCC-528 Unlimited size

1/4 inch annealed glass; 0.002 inch plastic coating
Break-Safe, Inc.; Chicago, Illinois

SGCC-529 Unlimited size

3/16 inch annealed glass; 0.003 inch plastic coating
Break-Safe, Inc.; Chicago, Illinois

SGCC-537 Unlimited size

1/4 inch annealed glass mirror; 0.002 inch plastic coating
Break-Safe, Inc.; Chicago, Illinois

SGCC-519 Unlimited size

LEADED GLASS

1/8 inch annealed transparent glass
Visador Company; Jasper, Texas (4.20 by 9.89 inch diamond and
3.76 by 7.95 inch diamond)

SGCC-470 Unlimited size

1/8 inch annealed pattern glass
Visador Company; Jasper, Texas (3.76 by 7.95 inch diamond and
4.32 by 9.83 inch diamond) (Cathedral)

SGCC-509 25" by 67'

3/16 inch annealed pattern glass
Visador Company; Jasper, Texas (3.76 by 7.95 inch diamond and
4.32 by 9.86 inch diamond) (Flemish)

SGCC-510 25" by 67'

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)

0.090 inch through 3/16 inch plastic
ICP Industries, Inc.; Miami, Florida (pattern, extruded;
indoor use only) (Seaflair)

SGCC- 17 Unlimited size

0.080 inch plastic
Lancaster Products Company; Redondo Beach, California
(smooth; extruded; indoor use only)

SGCC-538 34" by 72"

0.090 inch plastic
Gladwin, Inc.; Oakwood, Georgia
(pattern; extruded; indoor use only) (Ripple)

SGCC-420 Unlimited size

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

0.100 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 ANSI Z97.1-1972 except for safety plastic sheet for indoor use only (which does not comply with the U. V. requirements of ANSI Z97.1-1972) in which case the label must include the wording "for indoor use only".

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.


The permanent label must have SGCC authorization and acceptance prior to use.

* * * * *

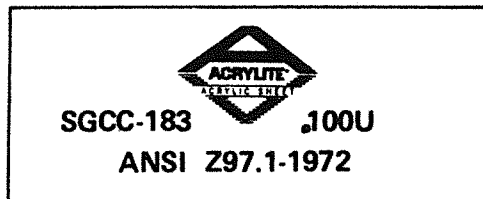
EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

ASG Industries, Inc.
P.O. Box 88
Kingsport, Tennessee 37662

TRU-TEMP
TEMPERED
SAFETY GLASS
ANSI Z97.1-1972
3/16U SGCC 220



American Cyanamid Company
P.O. Box 591
Sanford, Maine 04073




Anglass Industries, Inc.
12364 Gladstone Avenue
San Fernando, California 91342




EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Armour Laminated Glass Company, Inc.
9401 Ann Street
Santa Fe Springs, California 90670

TEMPERED SAFETY GLASS

 SGCC 204
3/16 U
ANSI Z 97.1-1972

Asahi Glass Company, Ltd.
c/o Sentinel Enterprises, Inc.
2138 Biscayne Boulevard
Miami, Florida 33137

 ·TEMPERLITE·
ASAHI GLASS
TEMPERED SAFETY GLASS
ANSI Z97-1-1972
SGCC46 187-U

Break Safe Company
1880 W. Fullerton Avenue
Chicago, Illinois 60614

ANSI Z97.1-1972
 TM
SAFETY GLASS
.002 ON .187 U
SGCC 528

Buchmin Industries
1485 E. Curtis Avenue
Reedley, California 93654

Tentative Label
LAMINATED
SAFETY GLASS
 **BUCHMIN**
ANSI Z97.1 1972
SGCC-561

M. L. Burke Company
33204 Western Avenue
Union City, California 94587

MLB TEMP
SAFETY TEMPERED
GLASS
ANSI-Z97.1-1972
SGCC-274 3/16U

C-E Glass
825 Hylton Road
Pennsauken, New Jersey 08110

ARM-R-CLAD
 GLASS LAB
ANSI Z97.1-1972 .187U
SG CC 145

Canadian Pittsburgh Industries, Ltd.
1299 20th Street, East
Owen Sound, Ontario; Canada

CPI
HERCULITE® K
TEMPERED SAFETY GLASS
CGSB 12-GP-1B AUG. 1971
ANSI Z97.1-1972
SGCC-209 3/16" U 841272

POLISHED WIRED GLASS

Central Glass Company, Ltd.
One World Trade Center
Suite 3947
New York, New York 10048



CENTRAL GLASS CO., LTD.

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

Chromalloy-Safetee Glass Division
250 King Manor Drive
King of Prussia, Pennsylvania 19406

TEMPERCRON
1/4"U
SAFETEE GLASS
BY
CHROMALLOY
ANSI-Z-97.1-1972
SGCC-157 1-76

Dearborn Glass Company
6600 South Harlem Avenue
Bedford Park, Illinois 60501

LAMINATED
SAFETY GLASS
D.G.C.
.218 U
A.N.S.I. Z 97.1-1972
SGCC-147

Downey Glass Company
5631 Ferguson Drive
Los Angeles, California 90022

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

Falconer Plate Glass Corporation
100 South Work Street
Falconer, New York 14733

FALCONER
TEMPERED
DURASAFE
SAFETY GLASS
SGCC-308 1/4" U
ANSI Z97.1-1972

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

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

Ford Motor Company; Glass Division
1 Parklane Boulevard
Dearborn, Michigan 48126

Ford
FORD TEMPERED
SAFETY GLASS
ANSI Z97.1-1972
SGCC 341 1/8 U
4E

Fourco Glass Company
P.O. Box 4147; Station B
Fort Smith, Arkansas 72901

FOURCO
Cleartemp
SAFETY
HEAT TEMPERED
GLASS 3/16 U
ANSI Z97.1-1972
SGCC-36

General Electric Company
One Plastics Avenue
Pittsfield, Massachusetts 01201


LEXAN® SHEET
SAFETY
GLAZING
A.N.S.I.
Z97.1-1972 .080 U
SGCC-506

Gladwin, Inc.
Route 1; Box 370 A
Oakwood, Georgia 30566

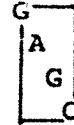
GLADWIN, INC.
ACRYLIC
SAFETY GLAZING
ANSI - Z97.1 1972
SGCC - 557 100U

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

lobe-Amerada Glass Company
001 Greenleaf Avenue
1k Grove Village, Illinois 60007

LAMINATED SAFETY GLASS

SGCC-445



7/32 U

ANSI Z97 .1-1972



uardian Industries Corporation
3043 West Nine Mile Road
orthville, Michigan 48167

amilton of Indiana, Inc.
000 Chestnut Street
incennes, Indiana 47591

TEMPER-TUF
HAMILTON OF INDIANA
ANSI Z97.1-1972 1/8U SGCC-54
TEMPERED SAFETY GLASS

P Industries, Inc.
11 N.E. Third Avenue
ami, Florida 33138

I C P MIAMI FLORIDA
POLYSTYRENE SAFETY GLAZING
FOR INDOOR USE ONLY
SGCC - 17 090U

DA Greek Safety Glass Industrial Company, Inc.
O. Box 54
los, Greece

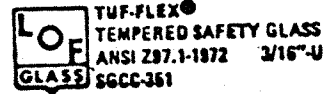
IRDA
LAMINATED SAFETY GLASS
GREECE
ANSI Z97.1-1972
SGCC-548 1/4U

S-H, Inc.
091 Manchester Road
Louis, Missouri 63122

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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

LOF Glass, Inc.
P.O. Box 830
Laurinburg, North Carolina 28352



Laminated Glass Corporation
9797 Erwin Avenue
Detroit, Michigan 48213



Lancaster Products Company
4030 Freeman Boulevard
Redondo Beach, California 90278

.080L-ACRYLIC SAFETY GLAZI
ANSI Z 97.1-1972
SGCC-535
LANCASTER PRODUCTS CO.

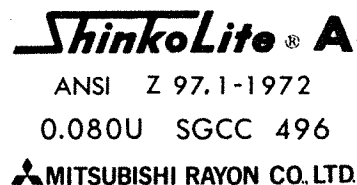
Libbey-Owens-Ford Company
811 Madison Avenue
Toledo, Ohio 43624



Minex-Poland
c/o M. L. Burke Company
33204 Western Avenue
Union City, California 94587

TEMPERED SAFETY GLA
MINEX
ANSI Z97.1-1972
SGCC-140 .210 U

Mitsubishi Rayon Company, Limited
c/o Sentinel Enterprises
2138 Biscayne Boulevard
Miami, Florida 33137



EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Northwestern Industries, Inc.
2501 West Commodore Way
Seattle, Washington 98199

TEMPERED
SAFETY GLASS
[NW]
ANSI Z97.1-1972
CGSB-12-61P-1
SGCC-481
1/4-U

Ohio Plate Glass Company
Box 671
Lewisburg, Ohio 45338

SAFETY
TEMPERED
3/16"-U SGCC
OHIO 115
PLATE
ANSI Z-97.1 1972

PPG Industries, Inc.
1000 RIDC Plaza
P.O. Box 2811
Pittsburgh, Pennsylvania 15230

PPG HERCULITE K
ANSI Z-97.1-1972 3/16"-U
TEMPERED SAFETY GLASS
SGCC-63 14372

Plaskolite, Inc.
1770 Joyce Avenue
Columbus, Ohio 43219

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

Robeco Products, Inc.
51 Madison Avenue
New York, New York 10010

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

Rohm and Haas Company
Independence Mall West
Philadelphia, Pennsylvania 19105


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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Rotuba Extruders, Inc.
1401 Park Avenue South
Linden, New Jersey 07036

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

Safelite Industries
P.O. Box 1879
Wichita, Kansas 67201

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

Sheffield Plastics, Inc.
Salisbury Road
Sheffield, Massachusetts 01257

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


Societa Italiana Vetro S.p.A.
c/o Greenbaum, Wolff and Ernst
437 Madison Avenue
New York, New York 10022

SIVSCREEN
SIVSCREEN
LAMINATED SAFETY GLASS
ANSI Z 97.1 - 1972 250 U
SGCC 424

Southern Plastics Company
P.O. Drawer 39
Columbia, South Carolina 29202

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

Swedcast, Inc.
7350 Empire Drive
Florence, Kentucky 41042

	Swedcast Corp. SWEDGLAZE S.G. ANSI Z-97.1 - 1972 .080U S.G.C.C. 559 S-300
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EXAMPLE OF PARTICIPANT'S TYPICAL LABEL



TGC TEMPERLITE
ANSI Z97.1-1972
SGCC-523 3/16 U

Taiwan Glass Corporation
1055 Ridder Road
Wilsonville, Oregon 97070



ANSI Z97.1-1972
SGCC-190 3/16-U

Taylor Products, Inc.
Laura Avenue
Payne, Ohio 45880

TEMPERED
GLASS CORP.
SGCC-347 .188U
ANSI Z97.1 1972
TEMPERED

Tempered Glass Corporation
6900 Adamo Drive
Tampa, Florida 33619

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

Temp-Safe, Inc.
3000 South Kelly
Edmond, Oklahoma 73034

TG ANSI Z97.1-1972 .187U
SGCC-110 HBD
TEXAS TEMPERED GLASS CO.
HOUSTON, TEXAS

Texas Tempered Glass Company
331 West Belt Drive
Houston, Texas 77043

ROYAL DOULTON
VINYLEX
LAMINATED
ANSI Z97.1 1972
SGCC 268 260 U

Royal Doulton Safety Glass Company, Limited
Vinylex Works
Woolenborough, Kent, England

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Tuf-flex Glass, Inc.
2735 Washington Avenue
Vincennes, Indiana 47591

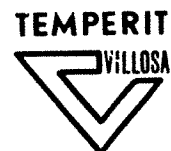
Tuf-flex Glass Inc.
TEMPERED SAFETY GLASS
1/4"-U ANSI Z97.1-1972
SGCC-229

Tyre Brothers Glass Company
3008 South San Pedro
Los Angeles, California 90051



SGCC-252, 188U

Vidrierias De Llodio, S.A.
c/o Seaply Glass Company
271 North Avenue
New Rochelle, New York 10802



7/32"U SGCC-37
tempered glass
ANSI Z97.1-1972

Viracon, Inc.
800 Park Drive
Owatonna, Minnesota 55060

VIRAICON
TEMPERED GLASS
ANSI Z97.1-1972
SGCC-227 188-U

Virginia Glass Products Corporation
P.O. Box 5431
Martinsville, Virginia 24112



Visador Company
940 Visador Road
Jasper, Texas 75951

Safe-T-Leaded
ANSI Z 97.1 - 1972
SGCC 470 1/8 U
Visador

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

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

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

SGCC
Mr. 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 Valencia Drive
Fullerton, California 92631
Attention: Mr. Joseph E. Hawkins
Telephone (213) 583-1227

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

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

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

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

Patzig Testing Laboratories, Inc.
2215 Ingersoll Avenue
Des Moines, Iowa 50312
Attention: Mr. Byron A. Marks
Telephone (515) 243-4105

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

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

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

PROCEDURAL GUIDE
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.

Administration

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*.

d] The manufacturer sends to SGCC a *black on white* copy of his proposed permanent label.

After receipt of *all* of the above four 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.

\$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

- l) 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.

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 with ANSI Z97.1 will be accepted from Approved Engineering Test Laboratories, Bowser-Morner Testing Laboratories, Inc., British Standards Institution, Electrical Testing Laboratories, Inc., Institut National Du Verre, Miami Testing Laboratory, Inc., Patzig Testing Laboratories Company, Inc., Twinning Laboratories of Southern California, Inc. or other testing laboratory subsequently approved by the SGCC Certification Committee.
- G.3 Paragraph (1) Section 4.1.3 of ANSI Z97.1-1972 is intended to apply to laminated, wire and plastic coated glasses 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 Sealed insulated glass can not be certified per se, but each layer can be a certified item.
- G.5 The SGCC item number when used as part of an authorized 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 an SGCC authorized permanent label prior to testing in order to be considered a valid sample. The administrator shall construe the absence of an authorized 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.1i shall be followed.
 - b) The administrator will send copies of all authorized permanent labels to the approved laboratories testing those products. The laboratory will ascertain that the proper authorized permanent label is on each specimen of the sample prior to testing.
 - c) The testing laboratory is to advise the administrator of any specimen that does not in fact bear the proper SGCC authorized 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 authorized permanent label is proper or agree that in fact the SGCC authorized 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 Initial certification of all items shall be temporary and is limited to three months, pending authorization by SGCC of the actual permanent label. Certification shall be removed from items for which SGCC does not receive a black on white copy of the permanent label within three months.
- 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 Z97.1-1972 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 Any type of safety glazing material that is laminated, including those with a sprayed on plastic coating and those with an applied sheet plastic material, must comply with the requirements of paragraph 4.2 of the ANSI Z97.1-1972 (boil test).
- G.19 Certified and permanently labeled safety glazing materials such as laminated glass, wire glass or rigid plastic 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.20 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.21 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.22 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.23 In the case of patterned tempered glass, wire glass, plastics and plastic coated annealed glass, 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 Z97.1-1972 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.24 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:

1. Prior to or within 2 weeks, after the shutdown the participant shall inform the SGCC administrator by registered mail.
2. The SGCC administrator will immediately supply the participant with test release bond forms for submission by the participant.
3. 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.
4. 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.
5. 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.
6. Failure by the participant to comply with any of the proceeding shall be the basis for removal of certification from the affected products.

- G.25 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.26 When a participant specifically and voluntarily desires to use an SGCC authorized permanent label on their product that denotes compliance with both ANSI Z97.1-1966 and ANSI Z97.1-1972 that they notify SGCC in writing of the certified item that they desire to so mark. The SGCC will at the request of a participant conduct compliance tests to ANSI Z97.1-1966 and ANSI Z97.1-1972. A single set of four test specimens will be impacted to determine impact test requirements of both codes. 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 both 1966 and 1972 versions of the ANSI Z97.1 code. Any costs involved shall be paid by the participant.

G.27 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 Z97.1-1972 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.

WIRE GLASS

- W.1 Certification of one polished wire glass may be applied to other polished wire glasses, provided:
- The glass thickness of the candidate glass is nominally equal to the thickness of the glass that is certified.
 - The wire diameter in the candidate glass is at least as great as the wire diameter in the glass that is certified.
 - 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 Z97.1-1972 impact testing has been made.

After admission under the blanket certification covering wired glasses, all wire 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 class 1	Cast acrylic (including continuously cast sheet)	As specified in ASTM D-702 latest issue
Outdoor use class 2	Extruded acrylic	Plus or minus 5 percent of nominal thickness
Outdoor use class 3	Extruded polycarbonate	Plus or minus 5 percent of nominal thickness on middle 90 percent of width; plus or minus 10 percent of nominal thickness on remaining width (edges)
Indoor use 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.

- P.6 When breakage occurs which results in pieces that appear to be sharp edged, pointed or dagger like, SGCC shall as an interim guideline for 4.1.3.3 in ANSI Z97.1-1972, determine the stiffness and hardness of the specimen. A modulus of elasticity (ASTM D790) less than 750,000 psi and a Rockwell hardness (ASTM D785) less than M or R 140 shall indicate that these pieces are not sharp edged, pointed or dagger like. The SGCC test for evaluating modulus of elasticity may be substituted for ASTM D790. ASTM D2583 (Barcol hardness test) with the upper limit of 85 may be substituted for ASTM D785 (Rockwell hardness test). This interim guideline to be effective until ANSI Z97.1-1972 is revised.

PLASTICS — EXTERIOR USE

- PE.1 Sheet plastics for exterior use must comply with paragraph 4.3 of the ANSI Z97.1-1972 (UV Weathering).
- PE.2 Certification of plastics for exterior use shall be permitted prior to completion of ANSI Z97.1-1972 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 for indoor use only do not have to comply with paragraph 4.3 of ANSI Z97.1-1972 (UV weathering).
- PI.2 The permanent label authorized by SGCC must include "for 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 Z97.1-1972 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 Z97.1-1972 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.

PLASTIC COATED ANNEALED 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.27, must be imprinted upon or applied to a surface of the plastic for all plastic coated annealed glasses.

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ANSI Z97.1-1975 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

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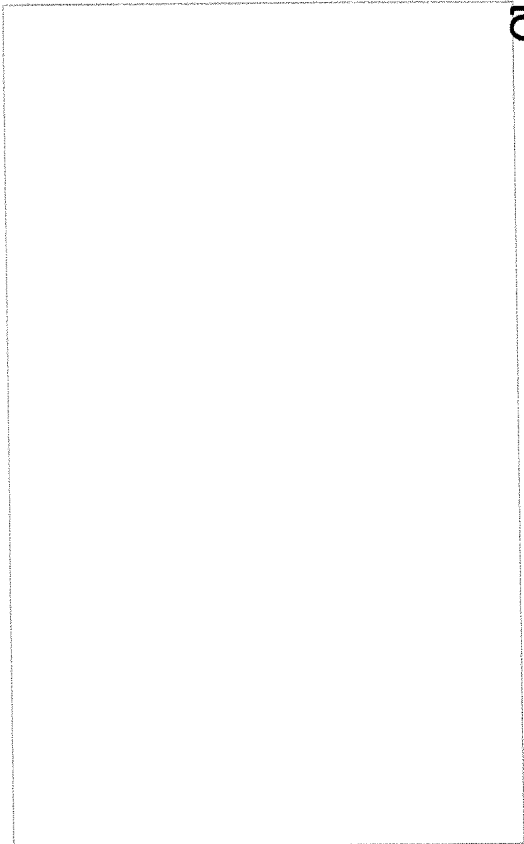


safety glazing certification council

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