

JULY 1, 1975



safety glazing certification council

certified products directory  
safety glazing material used in buildings

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Certification in this directory is up-to-date as of July 1, 1975, however products may be certified or certification removed from time to time. Please contact the SGCC office for the latest up-to-date information.

Should you have any questions or comments, or should you wish to receive future copies of this directory (published approximately every six months), please write directly to:

Mrs. Shirley Stafford  
Assistant Secretary  
Safety Glazing Certification Council  
1640 West 32 Place  
Hialeah, Florida 33012  
Phone: 305-558-1352

## **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.

## CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 11 Feather-lite	SGCC- 97 Guardian Industries	SGCC-206 Armour Laminated
SGCC- 12 Virginia Glass	SGCC- 98 Guardian Industries	SGCC-209 Canadian Pittsburgh
SGCC- 14 Virginia Glass	SGCC- 99 K-S-H	SGCC-210 Robeco Products
SGCC- 17 ICP Industries	SGCC-102 PPG Industries	SGCC-217 ASG Industries
SGCC- 18 Southern Plastics	SGCC-104 Guardian Industries	SGCC-219 PPG Industries
SGCC- 19 Libbey-Owens-Ford	SGCC-108 C-E Glass	SGCC-220 ASG Industries
SGCC- 24 ASG Industries	SGCC-110 C-E Glass	SGCC-221 K-S-H
SGCC- 26 ASG Industries	SGCC-114 PPG Industries	SGCC-224 ASG Industries
SGCC- 27 ASG Industries	SGCC-118 Flex-O-Glass	SGCC-225 Safelite Industries
SGCC- 28 ASG Industries	SGCC-120 Rowland Products	SGCC-227 Viracon
SGCC- 31 ASG Industries	SGCC-125 C-E Glass	SGCC-228 Viracon
SGCC- 34 Fourco Glass	SGCC-127 Hamilton of Indiana	SGCC-229 Tuf-flex
SGCC- 35 Fourco Glass	SGCC-128 Hamilton of Indiana	SGCC-232 Viracon
SGCC- 36 Fourco Glass	SGCC-129 Hamilton of Indiana	SGCC-233 Viracon
SGCC- 37 Vidrierias De Llodio	SGCC-131 Guardian Industries	SGCC-237 Safelite Industries
SGCC- 38 Vidrierias De Llodio	SGCC-136 K-S-H	SGCC-238 Ohio Plate Glass
SGCC- 39 Guardian Industries	SGCC-137 C-E Glass	SGCC-245 C-E Glass
SGCC- 40 Guardian Industries	SGCC-138 C-E Glass	SGCC-246 C-E Glass
SGCC- 41 Guardian Industries	SGCC-140 Minex-Poland	SGCC-248 PPG Industries
SGCC- 42 Guardian Industries	SGCC-141 ASG Industries	SGCC-249 PPG Industries
SGCC- 43 Guardian Industries	SGCC-143 ASG Industries	SGCC-250 PPG Industries
SGCC- 46 Asahi Glass	SGCC-144 C-E Glass	SGCC-251 Canadian Pittsburgh
SGCC- 47 C-E Glass	SGCC-145 C-E Glass	SGCC-252 Tyre Brothers
SGCC- 49 C-E Glass	SGCC-146 C-E Glass	SGCC-253 Tyre Brothers
SGCC- 50 C-E Glass	SGCC-147 Dearborn Glass	SGCC-254 Tyre Brothers
SGCC- 53 C-E Glass	SGCC-150 Libbey-Owens-Ford	SGCC-255 Tyre Brothers
SGCC- 54 Hamilton of Indiana	SGCC-151 Libbey-Owens-Ford	SGCC-256 Tyre Brothers
SGCC- 55 Hamilton of Indiana	SGCC-152 Plaskolite	SGCC-257 Tuf-flex
SGCC- 56 Hamilton of Indiana	SGCC-153 Rohm & Haas	SGCC-258 Tuf-flex
SGCC- 57 Hamilton of Indiana	SGCC-154 Rohm & Haas	SGCC-259 Paulding Glass
SGCC- 58 PPG Industries	SGCC-157 Chromalloy-Safetee	SGCC-260 Paulding Glass
SGCC- 59 PPG Industries	SGCC-160 Guardian Industries	SGCC-261 Paulding Glass
SGCC- 60 PPG Industries	SGCC-162 Southern Plastics	SGCC-263 Guardian Industries
SGCC- 61 PPG Industries	SGCC-173 Sheffield Plastics	SGCC-264 Guardian Industries
SGCC- 62 PPG Industries	SGCC-178 K-S-H	SGCC-265 C-E Glass
SGCC- 63 PPG Industries	SGCC-181 Chromalloy-Safetee	SGCC-266 PPG Industries
SGCC- 64 PPG Industries	SGCC-182 Chromalloy-Safetee	SGCC-267 PPG Industries
SGCC- 65 PPG Industries	SGCC-183 American Cyanamid	SGCC-269 Tudor Safety
SGCC- 66 PPG Industries	SGCC-184 C-E Glass	SGCC-270 Tuf-flex
SGCC- 70 PPG Industries	SGCC-185 Ohio Plate Glass	SGCC-272 PPG Industries
SGCC- 71 PPG Industries	SGCC-186 Ohio Plate Glass	SGCC-273 PPG Industries
SGCC- 73 PPG Industries	SGCC-187 Ohio Plate Glass	SGCC-274 M. L. Burke
SGCC- 74 PPG Industries	SGCC-188 Ohio Plate Glass	SGCC-279 Ohio Plate Glass
SGCC- 75 PPG Industries	SGCC-189 Taylor Products	SGCC-286 Vidrierias De Llodio
SGCC- 76 C-E Glass	SGCC-190 Taylor Products	SGCC-291 Fourco Glass
SGCC- 78 Guardian Industries	SGCC-191 Taylor Products	SGCC-292 Fourco Glass
SGCC- 82 Libbey-Owens-Ford	SGCC-192 Taylor Products	SGCC-293 Fourco Glass
SGCC- 88 Laminated Glass	SGCC-194 PPG Industries	SGCC-295 PPG Industries
SGCC- 89 ASG Industries	SGCC-195 PPG Industries	SGCC-297 Fourco Glass
SGCC- 90 ASG Industries	SGCC-196 PPG Industries	SGCC-298 Tuf-flex
SGCC- 91 ASG Industries	SGCC-200 PPG Industries	SGCC-300 Guardian Industries
SGCC- 92 Virginia Glass	SGCC-201 C-E Glass	SGCC-308 Falconer
SGCC- 93 Virginia Glass	SGCC-203 Ohio Plate Glass	SGCC-309 Falconer
SGCC- 94 Virginia Glass	SGCC-204 Armour Laminated	SGCC-310 Falconer
SGCC- 95 Virginia Glass	SGCC-205 Armour Laminated	

## CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC-311 Falconer	SGCC-397 Ford Motor Company	SGCC-471 Guardian Industries
SGCC-314 Tuf-flex	SGCC-398 M. L. Burke	SGCC-472 Libbey-Owens-Ford
SGCC-315 Tuf-flex	SGCC-399 M. L. Burke	SGCC-474 PPG Industries
SGCC-316 Rotuba Extruders	SGCC-400 PPG Industries	SGCC-475 PPG Industries
SGCC-318 C-E Glass	SGCC-402 PPG Industries	SGCC-476 Minex-Poland
SGCC-319 C-E Glass	SGCC-403 PPG Industries	SGCC-478 Northwestern Industries
SGCC-320 Tuf-flex	SGCC-404 PPG Industries	SGCC-479 Northwestern Industries
SGCC-321 Tuf-flex	SGCC-405 PPG Industries	SGCC-480 Northwestern Industries
SGCC-322 Tuf-flex	SGCC-406 Guardian Industries	SGCC-481 Northwestern Industries
SGCC-323 Tuf-flex	SGCC-407 C-E Glass	SGCC-482 Tuf-flex
SGCC-328 Ohio Plate Glass	SGCC-409 Guardian Industries	SGCC-483 Tuf-flex
SGCC-330 C-E Glass	SGCC-410 C-E Glass	SGCC-484 Guardian Industries
SGCC-331 C-E Glass	SGCC-411 C-E Glass	SGCC-485 Swedlow, Inc.
SGCC-332 C-E Glass	SGCC-412 C-E Glass	SGCC-487 Guardian Industries
SGCC-333 C-E Glass	SGCC-413 C-E Glass	SGCC-488 Temp-Safe
SGCC-336 C-E Glass	SGCC-414 C-E Glass	SGCC-489 C-E Glass
SGCC-337 Tempered Glass	SGCC-415 M. L. Burke	SGCC-490 Tuf-flex
SGCC-338 Tempered Glass	SGCC-418 K-S-H	SGCC-491 Tuf-flex
SGCC-340 Paulding Glass	SGCC-419 C-E Glass	SGCC-492 Guardian Industries
SGCC-341 Ford Motor Company	SGCC-420 Gladwin	SGCC-494 C-E Glass
SGCC-342 Ford Motor Company	SGCC-421 Tempered Glass	SGCC-495 C-E Glass
SGCC-343 C-E Glass	SGCC-424 Societa Italiana Vetro	SGCC-496 Mitsubishi Rayon
SGCC-344 C-E Glass	SGCC-425 Guardian Industries	SGCC-499 ASG Industries
SGCC-345 C-E Glass	SGCC-426 PPG Industries	SGCC-500 Northwestern Industries
SGCC-346 C-E Glass	SGCC-427 PPG Industries	SGCC-501 Northwestern Industries
SGCC-347 Tempered Glass	SGCC-429 PPG Industries	SGCC-502 Northwestern Industries
SGCC-348 Tempered Glass	SGCC-430 PPG Industries	SGCC-503 C-E Glass
SGCC-349 ASG Industries	SGCC-431 PPG Industries	SGCC-504 Guardian Industries
SGCC-350 LOF Glass	SGCC-440 Temp-Safe	SGCC-505 C-E Glass
SGCC-351 LOF Glass	SGCC-441 Temp-Safe	SGCC-506 General Electric
SGCC-352 LOF Glass	SGCC-442 K-S-H	SGCC-507 Republic Glass
SGCC-355 C-E Glass	SGCC-443 Guardian Industries	SGCC-508 Central Glass
SGCC-357 Armour Laminated	SGCC-444 Libbey-Owens-Ford	SGCC-509 Visador
SGCC-358 Armour Laminated	SGCC-445 Globe-Amerada	SGCC-510 Visador
SGCC-359 Sheffield Plastics	SGCC-446 PPG Industries	SGCC-511 C-E Glass
SGCC-360 C-E Glass	SGCC-447 Libbey-Owens-Ford	SGCC-512 Downey Glass
SGCC-361 C-E Glass	SGCC-448 Vidrierias De Llodio	SGCC-513 Downey Glass
SGCC-371 C-E Glass	SGCC-449 Libbey-Owens-Ford	SGCC-514 Downey Glass
SGCC-373 LOF Glass	SGCC-450 Libbey-Owens-Ford	SGCC-515 Downey Glass
SGCC-374 LOF Glass	SGCC-451 Libbey-Owens-Ford	SGCC-516 Downey Glass
SGCC-375 LOF Glass	SGCC-452 C-E Glass	SGCC-517 ASG Industries
SGCC-378 Chromalloy-Safetee	SGCC-453 C-E Glass	SGCC-518 Break-Safe
SGCC-379 Chromalloy-Safetee	SGCC-454 PPG Industries	SGCC-519 Break-Safe
SGCC-380 Chromalloy-Safetee	SGCC-455 PPG Industries	SGCC-520 Anglass
SGCC-381 Chromalloy-Safetee	SGCC-456 PPG Industries	SGCC-521 Armour Laminated
SGCC-382 PPG Industries	SGCC-458 Guardian Industries	SGCC-522 Armour Laminated
SGCC-384 PPG Industries	SGCC-459 ASG Industries	SGCC-523 Taiwan Glass
SGCC-385 C-E Glass	SGCC-460 ASG Industries	SGCC-524 Taiwan Glass
SGCC-386 Libbey-Owens-Ford	SGCC-461 ASG Industries	SGCC-525 Tuf-flex
SGCC-389 Tuf-flex	SGCC-463 Viracon	SGCC-526 Chromalloy-Safetee
SGCC-390 Tuf-flex	SGCC-464 Libbey-Owens-Ford	SGCC-527 Break-Safe
SGCC-391 Tuf-flex	SGCC-465 Vidrios Securit	SGCC-528 Break-Safe
SGCC-392 Tuf-flex	SGCC-466 Vidrios Securit	SGCC-529 Break-Safe
SGCC-396 Ford Motor Company	SGCC-467 Vidrios Securit	SGCC-530 Guardian Industries
	SGCC-470 Visador	SGCC-531 Swedlow, Inc.

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

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-459	5/8	inch	tempered transparent glass	Unlimited size
SGCC-143	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 (Finetex, Aquatex, Industrex)	Unlimited size
SGCC- 31	210	inch	tempered pattern glass (Aquatex, Industrex*, Murallex*, Pattern 62*, Velvex*, Seashell)	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-461	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-517	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
Anglass Industries, Inc.; San Fernando, California				
SGCC-520	1/8	inch	tempered transparent glass	Unlimited size
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
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 (Aquatex, Industrex*, Murallex*, Pattern 62*, Velvex*)	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
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-519	1/4	inch	annealed glass mirror; 0.002 inch plastic coating	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

## 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	210	inch	tempered pattern glass (Aquatex, Industrex*, Murallex*, Pattern 62*, Velvex*)	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	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	Unlimited size

## C-E Glass; Bensenville, Illinois

SGCC-495	3/16	inch	tempered transparent glass	Unlimited size
SGCC-318	1/4	inch	tempered transparent glass	Unlimited size
SGCC-319	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	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 (Factrolite)	Unlimited size
SGCC-414	3/16	inch	tempered pattern glass (P-516)	Unlimited size

## C-E Glass; Cinnaminson, 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	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	Unlimited size

## C-E Glass; Houston, Texas

SGCC-110	3/16	inch	tempered transparent glass	Unlimited size
SGCC-137	1/4	inch	tempered transparent glass	Unlimited size
SGCC-138	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516)	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-355	1/8	inch	tempered pattern glass (Spray Lite)	28" by 68"
SGCC-144	210	inch	tempered pattern glass (Spray Lite, Flemish, P-516*)	Unlimited size
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	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516)	28" by 39"

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

## 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	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	Unlimited size

## C-E Glass; Pennsauken, New Jersey

SGCC-505	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 53	1/4	inch	tempered transparent glass	Unlimited size

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

SGCC-494	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	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	Unlimited size

## C-E Glass; Warrenton, Missouri

SGCC-360	1/8	inch	tempered transparent glass	Unlimited size
SGCC-336	3/16	inch	tempered transparent glass	Unlimited size
SGCC-361	1/4	inch	tempered transparent glass	Unlimited size
SGCC-511	1/8	inch	tempered pattern glass (Spray Lite)	30" by 70"
SGCC-343	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	Unlimited size
SGCC-344	7/32	inch	tempered pattern glass (P-516, Factrolite)	Unlimited size

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

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

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

SGCC-508	1/4	inch	polished wire glass (3/4 inch diamond mesh)	Unlimited size
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## 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-513	7/32	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



# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

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
SGCC-309	7/32	inch	tempered pattern glass (Factrolite)	Unlimited size

Feather-lite Manufacturing Company; Hot Springs, Arkansas

SGCC- 11	3/16	inch	tempered transparent glass	Unlimited size
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Flex-0-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; Rolland Division

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

Fourco Glass Company; Fort Smith, Arkansas

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

General Electric Company; Mt. Vernon, Indiana

SGCC-506	0.080	inch	and greater thicknesses smooth extruded polycarbonate	Unlimited size
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Gladwin, Inc.; Oakwood, Georgia

SGCC-420	0.090	inch	pattern plastic (Ripple) (Indoor use only)	Unlimited size
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Globe-Amerada Glass Company; Elk Grove Village, Illinois

SGCC-445	7/32	inch	laminated transparent glass	Unlimited size
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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 (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex)	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

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 (Aquatex, Industrex*, Muralex, Pattern 62*, Velvex*)	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-492	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	210	inch	tempered pattern glass (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*)	Unlimited size

ICP Industries, Inc.; Miami, Florida

SGCC- 17	0.090	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Seaflair)	Unlimited size
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K-S-H, Inc.; Crestwood, Missouri

SGCC-442	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
SGCC-418	3/32	inch	through 3/16 inch pattern extruded acrylic (Calypso, Casbah, Lido, Seedy, Slate, Diamond, Roundel, Glacial)	Unlimited size
SGCC- 99	0.100	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Glacial, Calypso, Roundel)	Unlimited size

K-S-H, Inc.; Fredericksburg, Virginia

SGCC-178	0.100	inch	through 0.130 inch pattern extruded plastic (Indoor use only) (Calypso, Roundel, Glacial, Starlite*)	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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# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

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

SGCC-136 0.060 inch through 0.125 inch smooth extruded acrylic Unlimited size

LOF Glass, Inc.; Laurinburg, North Carolina

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

Laminated Glass Corporation; Detroit, Michigan

SGCC- 88 7/32 inch laminated transparent glass Unlimited size

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-450 SS/SS laminated transparent glass Unlimited size  
SGCC-451 SS/DS laminated transparent glass Unlimited size  
SGCC- 82 1/4 inch laminated transparent glass Unlimited size  
SGCC-472 1/2 inch laminated transparent glass Unlimited size

Libbey-Owens-Ford Company; Rossford, Ohio

SGCC-386 3/16 inch tempered transparent glass Unlimited size  
SGCC- 19 1/4 inch tempered transparent glass Unlimited size  
SGCC-464 5/16 inch tempered transparent glass Unlimited size  
SGCC-449 3/8 inch tempered transparent glass Unlimited size  
SGCC-150 1/2 inch tempered transparent glass Unlimited size  
SGCC-447 5/8 inch tempered transparent glass Unlimited size  
SGCC-151 3/4 inch tempered transparent glass Unlimited size  
SGCC-444 7/8 inch tempered transparent glass Unlimited size

Minex-Poland; Jaroszwiec, Poland

SGCC-476 3/16 inch tempered transparent glass Unlimited size  
SGCC-140 210 inch tempered pattern glass (Pattern 100) Unlimited size

Mitsubishi Rayon Company, Ltd.; Ohtake, Japan

SGCC-496 0.080 inch and greater thicknesses smooth cast acrylic Unlimited size

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-480 7/32 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-502 210 inch tempered pattern glass (P-516) 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 (Ribbed, Flax\*, Flemish\*,  
Industrex\*, Lozenge\*, Pattern 62\*, Roundel\*, Velvex\*) Unlimited size  
SGCC-188 3/16 inch tempered pattern glass (Pattern 62, Aquatex\*) Unlimited size  
SGCC-328 3/16 inch tempered pattern glass (Roundel, Lozenge) Unlimited size  
SGCC-238 7/32 inch tempered pattern glass (Textured Linex, Aquatex,  
Flemish\*, Flutex\*, Industrex\*, Muralex\*,  
Pattern 62\*, Skytex\*, Velvex\*) Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

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 (Smooth Rough)	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
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 (Roundel, Lozenge)	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 (Velvex, Aquatex, Industrex*, Muralex*)	Unlimited size
PPG Industries, Inc.; Ford, City, Pennsylvania				
SGCC- 61	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 66	7/32	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				
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 (Flemish)	Unlimited size
PPG Industries, Inc.; Miami, Florida				
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 (Smooth Rough, Burlap, Factrolite*, J-3*, P-516)	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

PPG Industries, Inc.; Mt. Vernon, Ohio			
SGCC- 58	1/8	inch tempered transparent glass	Unlimited size
SGCC- 62	3/16	inch tempered transparent glass	Unlimited size
SGCC- 71	1/4	inch tempered transparent glass	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois			
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			
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 (Smooth Rough)	Unlimited size
Paulding Glass Products, Inc.; Paulding, Ohio			
SGCC-340	3/16	inch tempered transparent glass	Unlimited size
SGCC-259	1/4	inch tempered transparent glass	Unlimited size
SGCC-260	3/8	inch tempered transparent glass	Unlimited size
SGCC-261	210	inch tempered pattern glass (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*)	Unlimited size
Plaskolite, Inc.; Columbus, Ohio			
SGCC-152	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
Republic Glass Corporation; Rizal, Philippines			
SGCC-507	7/32	inch tempered transparent glass	Unlimited size
Robeco Products, Inc.; Tainan, Taiwan			
SGCC-210	0.080	inch and greater thicknesses smooth cast acrylic	Unlimited size
Rohm and Haas Company; Knoxville, Tennessee			
SGCC-153	0.080	inch and greater thicknesses smooth cast acrylic	Unlimited size
Rohm and Haas Company; Louisville, Kentucky			
SGCC-154	0.080	inch and greater thicknesses smooth cast acrylic	Unlimited size
Rotuba Extruders, Inc.; Linden, New Jersey			
SGCC-316	0.080	inch and greater thicknesses smooth extruded acrylic	Unlimited size
Rowland Products, Inc.; Kensington, Connecticut			
SGCC-120	0.090	inch and greater thicknesses smooth extruded polycarbonate	Unlimited size
Safelite Industries; Denver, Colorado			
SGCC-237	1/4	inch laminated transparent glass	Unlimited size
Safelite Industries; Wichita, Kansas			
SGCC-225	1/8	inch tempered transparent glass	Unlimited size
Sheffield Plastics, Inc.; Sheffield, Massachusetts			
SGCC-173	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
SGCC-359	0.060	inch and greater thicknesses smooth extruded polycarbonate	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

Societa Italiana Vetro, S.p.A.; San Salvo, Italy			Unlimited size
SGCC-424	1/4 inch	laminated transparent glass	
Southern Plastics Company; Columbia, South Carolina			Unlimited size
SGCC-162	0.080 inch	through 0.125 inch smooth extruded acrylic	
SGCC-18	0.080 inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Cracked Ice, Rip L, Cortina)	Unlimited size
Swedlow, Inc.; Florence, Kentucky			Unlimited size
SGCC-485	0.080 inch	and greater thicknesses smooth cast acrylic (SWEDGLAZE SG)	
SGCC-531	0.080 inch	and greater thicknesses smooth cast acrylic (SWEDGLAZE SG-B)	Unlimited size
Taiwan Glass Corporation; Taipei, Taiwan			34" by 36 1/2"
SGCC-524	1/8 inch	tempered transparent glass	Unlimited size
SGCC-523	3/16 inch	tempered transparent glass	
Taylor Products, Inc.; Payne, Ohio			Unlimited size
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	210 inch	tempered pattern glass (Industrex, Aquatex, Muralex*, Pattern 62*)	Unlimited size
Tempered Glass Corporation; Tampa, Florida			Unlimited size
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	210 inch	tempered pattern glass (Spray Lite, Pattern 62)	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma			Unlimited size
SGCC-440	3/16 inch	tempered transparent glass	Unlimited size
SGCC-441	1/4 inch	tempered transparent glass	Unlimited size
SGCC-488	1/2 inch	tempered transparent glass	Unlimited size
Tudor Safety Glass Company, Ltd.; Queenborough, Kent, England			Unlimited size
SGCC-269	1/4 inch	laminated transparent glass	
Tuf-flex Glass, Inc.; Atlanta, Georgia			Unlimited size
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
Tuf-flex Glass, Inc.; Elmhurst, Illinois			Unlimited size
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			Unlimited size
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

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 16.

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 (Smooth Rough, Aquatex, Burlap\*, Factrolite\*, J-3\*, P-516) 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

Vidrios Securit, S.A.; Barranquilla, Columbia  
SGCC-465 1/8 inch tempered transparent glass Unlimited size  
SGCC-466 3/16 inch tempered transparent glass Unlimited size  
SGCC-467 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 (Aquatex) Unlimited size  
SGCC-233 SS/DS inch 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 (Velvex, Aquatex, Industrex, Murallex) Unlimited size

Visador Company; Jasper, Texas  
SGCC-470 1/8 inch leaded transparent glass (4.20 by 9.66 inch diamond and 3.76 by 7.95 inch diamond) Unlimited size  
SGCC-509 1/8 inch leaded pattern glass (3.76 by 7.95 inch diamond) (Cathedral) 25" by 67"  
SGCC-510 3/16 inch leaded transparent glass (3.76 by 7.95 inch diamond) 25" by 67"

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## TEMPERED TRANSPARENT GLASS

### 1/8 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC-224	Unlimited size
Anglass Industries, Inc.; San Fernando, California	SGCC-520	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania	SGCC-415	Unlimited size
C-E Glass; Carson, California	SGCC-453	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-489	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-184	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-360	Unlimited size
Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario	SGCC-251	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC-341	Unlimited size
Fourco Glass Company; Clarksburg, West Virginia; Rolland Division	SGCC-297	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-300	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC- 54	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-350	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-478	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-187	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC-250	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC- 60	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC-295	Unlimited size
PPG Industries, Inc.; Mt. Vernon, Ohio	SGCC- 58	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 59	Unlimited size
Safelite Industries; Wichita, Kansas	SGCC-225	Unlimited size
Taiwan Glass Corporation; Taipei, Taiwan	SGCC-524	34" by 36 1/2"
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC-286	Unlimited size
Vidrios Securit, S. A.; Barranquilla, Colombia	SGCC-465	Unlimited size

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

C-E Glass; Cinnaminson, New Jersey	SGCC-503	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC-396	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC-504	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-443	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC-448	Unlimited size

### 3/16 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC-220	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee	SGCC- 28	Unlimited size
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California	SGCC-204	Unlimited size
Asahi Glass Company, Ltd.; Tokyo, Japan	SGCC- 46	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania	SGCC-274	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-407	Unlimited size
C-E Glass; Bensenville, Illinois	SGCC-495	Unlimited size
C-E Glass; Carson, California	SGCC-410	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-245	Unlimited size
C-E Glass; Houston, Texas	SGCC-110	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-145	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street	SGCC-330	30" by 39"
C-E Glass; Miami, Florida	SGCC- 76	Unlimited size
C-E Glass; Pennsauken, New Jersey	SGCC-505	Unlimited size
C-E Glass; Tampa, Florida	SGCC-385	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-336	Unlimited size



# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## 3/16 inch tempered transparent glass - continued

Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario	SGCC-209	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-526	Unlimited size
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. Vernon, Ohio	SGCC- 62	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 63	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts	SGCC-427	Unlimited size
Paulding Glass Products, Inc.; Paulding, Ohio	SGCC-340	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
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
Vidrios Securit, S. A.; Barranquilla, Colombia	SGCC-466	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; Stocum Street	SGCC-331	30" by 39"
Downey Glass Company; Los Angeles, California	SGCC-513	Unlimited size
Fourco Glass Company; Clarksburg, West Virginia; Rolland Division	SGCC-292	Unlimited size
Fourco Glass Company; Fort Smith, Arkansas	SGCC- 35	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## 7/32 inch tempered transparent glass - continued

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
Northwestern Industries, Inc.; Seattle, Washington	SGCC-480	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-279	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 66	Unlimited size
Republic Glass; Rizal, Philippines	SGCC-507	Unlimited size
Taylor Products, Inc.; Payne, Ohio	SGCC-192	Unlimited size
Vidrierias De Llodio, S.A.; Alava, Spain	SGCC- 37	Unlimited size
Vidrios Securit, S. A.; Barranquilla, Colombia	SGCC-467	Unlimited size

## 1/4 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC- 89	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee	SGCC- 24	Unlimited size
Armour Laminated Glass Company; Brooklyn, New York	SGCC-521	Unlimited size
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California	SGCC-205	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania	SGCC-398	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-108	Unlimited size
C-E Glass; Bensenville, Illinois	SGCC-318	Unlimited size
C-E Glass; Carson, California	SGCC-411	Unlimited size
C-E Glass; Cinnaminson, New Jersey	SGCC-246	Unlimited size
C-E Glass; Houston, Texas	SGCC-137	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-146	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street	SGCC-332	30" by 39"
C-E Glass; Miami, Florida	SGCC- 49	Unlimited size
C-E Glass; Pennsauken, New Jersey	SGCC- 53	Unlimited size
C-E Glass; Tampa, Florida	SGCC- 47	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-361	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-157	Unlimited size
Downey Glass Company; Los Angeles, California	SGCC-514	Unlimited size
Falconer Plate Glass Corporation; Falconer, New York	SGCC-308	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC-397	Unlimited size
Fourco Glass Company; Clarksburg, West Virginia; Rolland Division	SGCC-293	Unlimited size
Fourco Glass Company; Fort Smith, Arkansas	SGCC- 34	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC-131	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 40	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 43	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-530	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC- 57	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-352	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC- 19	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-481	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-186	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC-455	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC-382	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC-267	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC-102	26 3/4" by 72"
PPG Industries, Inc.; Dallas, Texas	SGCC-402	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 70	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC- 73	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC-194	Unlimited size
PPG Industries, Inc.; Mt. Vernon, Ohio	SGCC- 71	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts	SGCC-426	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## 1/4 inch tempered transparent glass - continued

Paulding Glass Products, Inc.; Paulding, Ohio	SGCC-259	Unlimited size
Taylor Products, Inc.; Payne, Ohio	SGCC-189	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-337	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC-441	Unlimited size
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
Paulding Glass Products, Inc.; Paulding, Ohio	SGCC-260	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-348	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

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## 1/2 inch tempered transparent glass - continued

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-182	Unlimited size
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

ASG Industries, Inc.; Greenland, Tennessee	SGCC-459	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-447	Unlimited size

## 3/4 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC-143	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 (Finetex, Aquatex, Industrex)	SGCC-141	Unlimited size
C-E Glass; Carson, California (Factrolite)	SGCC-452	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road (Spray Lite)	SGCC-355	28" by 68"
C-E Glass; Warrenton, Missouri (Spray Lite)	SGCC-511	30" by 70"
Ohio Plate Glass Company; Lewisburg, Ohio (Ribbed, Flax*, Flemish*, Industrex*, Lozenge*, Pattern 62*, Roundel*, Velvex*)	SGCC-203	Unlimited size
PPG Industries, Inc.; Fresno, California (Flemish)	SGCC-384	Unlimited size

### 3/16 inch tempered pattern glass

C-E Glass; Carson, California (P-516)	SGCC-414	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (Pattern 62, Aquatex*)	SGCC-188	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (Roundel, Lozenge)	SGCC-328	Unlimited size
PPG Industries, Inc.; Crestline, Ohio (Roundel, Lozenge)	SGCC-446	Unlimited size

## CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

### 210 inch tempered pattern glass

ASG Industries, Inc.; Kingsport, Tennessee (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*, Seashell)	SGCC- 31	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*)	SGCC-399	Unlimited size
C-E Glass; Atlanta, Georgia (Spray Lite, Flemish*, P-516*)	SGCC-125	Unlimited size
C-E Glass; Bensenville, Illinois (Spray Lite, Flemish*, P-516*)	SGCC-319	Unlimited size
C-E Glass; Cinnaminson, New Jersey (Spray Lite, Flemish*, P-516*)	SGCC-265	Unlimited size
C-E Glass; Houston, Texas (Spray Lite, Flemish*, P-516)	SGCC-138	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road (Spray Lite, Flemish, P-516*)	SGCC-144	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street (Spray Lite, Flemish*, P-516)	SGCC-333	28" by 39"
C-E Glass; Miami, Florida (Spray Lite, Flemish*, P-516*)	SGCC- 50	Unlimited size
C-E Glass; Tampa, Florida (Spray Lite, Flemish*, P-516*)	SGCC-201	Unlimited size
C-E Glass; Warrenton, Missouri (Spray Lite, Flemish*, P-516*)	SGCC-343	Unlimited size
Hamilton of Indiana, Inc.; Vincennes, Indiana (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*)	SGCC-129	Unlimited size
Minex-Poland; Jaroszwiec, Poland (Pattern 100)	SGCC-140	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington (P-516)	SGCC-502	Unlimited size
Paulding Glass Products, Inc.; Paulding, Ohio (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*)	SGCC-261	Unlimited size
Taylor Products, Inc.; Payne, Ohio (Industrex, Aquatex, Muralex*, Pattern 62*)	SGCC-191	Unlimited size
Tempered Glass Corporation; Tampa, Florida (Spray Lite, Pattern 62)	SGCC-421	Unlimited size

### 7/32 inch tempered pattern glass

Armour Laminated Glass Company, Inc.; Santa Fe Springs, California (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex*)	SGCC-206	Unlimited size
C-E Glass; Warrenton, Missouri (P-516, Factrolite)	SGCC-344	Unlimited size
Falconer Plate Glass Corporation; Falconer, New York (Factrolite)	SGCC-309	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida (Aquatex, Industrex*, Muralex*, Pattern 62*, Velvex)	SGCC- 42	Unlimited size
Guardian Industries Corporation; Torrance, California (Aquatex, Industrex*, Muralex, Pattern 62*, Velvex*)	SGCC-264	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio (Textured Linex, Aquatex, Flemish*, Industrex*, Muralex*, Pattern 62*, Skytex*, Velvex*)	SGCC-238	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland (Smooth Rough)	SGCC-456	Unlimited size
PPG Industries, Inc.; Dallas, Texas (Velvex, Aquatex, Industrex*, Muralex*)	SGCC-404	Unlimited size
PPG Industries, Inc.; Miami, Florida (Smooth Rough, Burlap, Factrolite*, J-3*, P-516)	SGCC-219	Unlimited size
PPG Industries, Inc.; Westboro, Massachusetts (Smooth Rough)	SGCC-431	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California (Smooth Rough, Aquatex, Burlap*, Factrolite*, J-3*, P-516)	SGCC-256	Unlimited size
Viracon, Inc.; Owatonna, Minnesota (Aquatex)	SGCC-463	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia (Velvex, Aquatex, Industrex, Muralex)	SGCC- 92	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## LAMINATED TRANSPARENT GLASS

### SS/SS laminated transparent glass

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-450 Unlimited size

### 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

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

### 1/4 inch laminated transparent glass

ASG Industries, Inc.; Kingsport, Tennessee

SGCC- 26 Unlimited size

Armour Laminated Glass Company, Inc.; Santa Fe Springs, California  
(0.030 inch plastic)

SGCC-357 Unlimited size

C-E Glass; Lancaster, Ohio; Quarry Road

SGCC-419 Unlimited size

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC-379 Unlimited size

Guardian Industries Corporation; Upper Sandusky, Ohio

SGCC-487 Unlimited size

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC- 82 Unlimited size

PPG Industries, Inc.; Creighton, Pennsylvania

SGCC-114 Unlimited size

Safelite Industries; Denver, Colorado

SGCC-237 Unlimited size

Societa Italiana Vetro, S.p.A.; San Salvo, Italy

SGCC-424 Unlimited size

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

SGCC-269 Unlimited size

Viracon, Inc.; Owatonna, Minnesota

SGCC-232 Unlimited size

### 3/8 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC-380 Unlimited size

Guardian Industries Corporation; Upper Sandusky, Ohio

SGCC-484 Unlimited size

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

ASG Industries, Inc.; Kingsport, Tennessee

SGCC-499 Unlimited size

### 1/2 inch laminated transparent glass

Armour Laminated Glass Company, Inc.; Santa Fe Springs, California  
(0.030 inch plastic)

SGCC-358 Unlimited size

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC-381 Unlimited size

Guardian Industries Corporation; Upper Sandusky, Ohio

SGCC-492 Unlimited size

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-472 Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

## TRANSPARENT WIRE GLASS

### 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-461	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe, 1/2 inch parallel)		
C-E Glass; St. Louis, Missouri (1/2 inch square mesh)	SGCC-217	Unlimited size
Central Glass Company Ltd.; Tokyo, Japan (3/4 inch diamond mesh)	SGCC-494	Unlimited size
	SGCC-508	Unlimited size

## PATTERN WIRE GLASS

### 7/32 inch pattern wire glass

ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe; 1/2 inch parallel) (Finetex)	SGCC-517	Unlimited size
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## SAFETY PLASTIC SHEET

### 0.060 inch and greater thicknesses polycarbonate

Sheffield Plastics, Inc.; Sheffield, Massachusetts (extruded; smooth)	SGCC-359	Unlimited size
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### 0.060 inch through 0.125 inch acrylic

K-S-H, Inc.; Xenia, Ohio (extruded; smooth)	SGCC-136	Unlimited size
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### 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
Swedlow, Inc.; Florence, Kentucky (cast; smooth) (SWEDGLAZE SG)	SGCC-485	Unlimited size
Swedlow, Inc.; Florence, Kentucky (cast; smooth) (SWEDGLAZE SG-B)	SGCC-531	Unlimited size

### 0.080 and greater thickness polycarbonate

General Electric Company; Mt. Vernon, Indiana	SGCC-506	Unlimited size
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### 0.080 inch through 0.125 inch acrylic

Flex-O-Glass, Inc.; Dixon, Illinois (extruded; smooth)	SGCC-118	Unlimited size
K-S-H, Inc.; Crestwood, Missouri (extruded; smooth)	SGCC-442	Unlimited size
Plaskolite, Inc.; Columbus, Ohio (extruded; smooth)	SGCC-152	Unlimited size
Sheffield Plastics, Inc.; Sheffield, Massachusetts (extruded; smooth)	SGCC-173	Unlimited size
Southern Plastics Company; Columbia, South Carolina (extruded; smooth)	SGCC-162	Unlimited size

### 0.090 inch and greater thicknesses polycarbonate

Rowland Products, Inc.; Kensington, Connecticut (extruded; smooth)	SGCC-120	Unlimited size
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### 3/32 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
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## CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 6.

### PLASTIC COATED GLASS

<u>Single Strength annealed glass; 0.002 inch plastic coating</u> Break-Safe, Inc.; Chicago, Illinois	SGCC-518	Unlimited size
<u>Double Strength annealed glass; 0.002 inch plastic coating</u> Break-Safe, Inc.; Chicago, Illinois	SGCC-527	Unlimited size
<u>3/16 inch annealed glass; 0.002 inch plastic coating</u> Break-Safe, Inc.; Chicago, Illinois	SGCC-528	Unlimited size
<u>1/4 inch annealed glass; 0.002 inch plastic coating</u> Break-Safe, Inc.; Chicago, Illinois	SGCC-529	Unlimited size
<u>1/4 inch annealed glass mirror; 0.002 inch plastic coating</u> Break-Safe, Inc.; Chicago, Illinois	SGCC-519	Unlimited size

### LEADED GLASS

<u>1/8 inch annealed transparent glass</u> Visador Company; Jasper, Texas (4.20 by 9.66 inch diamond and 3.76 by 7.95 inch diamond)	SGCC-470	Unlimited size
<u>3/16 inch annealed transparent glass</u> Visador Company; Jasper, Texas (3.76 by 7.95 inch diamond)	SGCC-510	25" by 67"
<u>1/8 inch annealed pattern glass</u> Visador Company; Jasper, Texas (Cathedral; 3.76 by 7.95 inch diamond)	SGCC-509	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)

<u>0.090 inch through 3/16 inch plastic</u> ICP Industries, Inc.; Miami, Florida (pattern, extruded; indoor use only) (Seaflair)	SGCC- 17	Unlimited size
<u>0.090 inch plastic</u> Gladwin, Inc.; Oakwood, Georgia (pattern; extruded; indoor use only) (Ripple)	SGCC-420	Unlimited size
<u>0.080 inch through 3/16 inch plastic</u> Southern Plastics Company; Columbia, South Carolina (pattern; extruded; indoor use only) (Cracked Ice, Rip L, Cortina)	SGCC- 18	Unlimited size
<u>0.100 inch through 3/16 inch plastic</u> K-S-H, Inc.; Crestwood, Missouri (pattern; extruded; indoor use only) (Glacial, Calypso, Roundel)	SGCC- 99	Unlimited size
K-S-H, Inc.; Tustin, California (pattern; extruded; indoor use only) (Calypso, Glacial, Starlite, Roundel)	SGCC-221	Unlimited size
<u>0.100 inch through 0.130 inch plastic</u> K-S-H, Inc.; Fredericksburg, Virginia (pattern; extruded; indoor use only) (Calypso, Glacial, Roundel, Starlite*)	SGCC-178	Unlimited size



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## 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 them 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 participants' 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 participants 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.

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### **ANSI Z97.1-1972 Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings**

The purpose of Z97.1-1972 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 Z97.1-1972  
may be  
obtained at \$3.50  
per copy from  
the American National  
Standards Institute**

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



Enclosed is my payment of . . . . . Please send . . . . . ANSI Z97.1-1972.

Name \_\_\_\_\_

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

Street \_\_\_\_\_

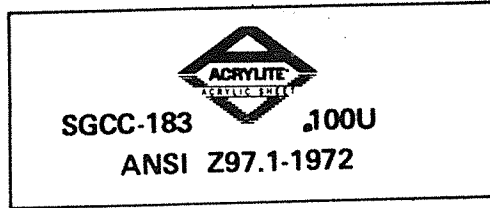
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

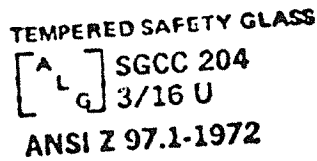
American Cyanamid Company  
P. O. Box 591  
Sanford, Maine 04073



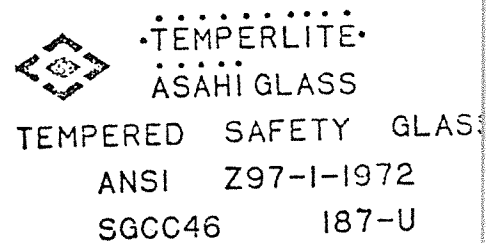
Anglass Industries, Inc.  
12364 Gladstone Avenue  
San Fernando, California 91342



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



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



Break-Safe, Inc.  
1880 W. Fullerton Avenue  
Chicago, Illinois 60614



EXAMPLE OF PARTICIPANT'S TYPICAL LABEL


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 J87U  
SG CC 145

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

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

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

**POLISHED WIRED GLASS**



**CENTRAL GLASS CO., LTD.**

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

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

**TEMPERCRONE**  
1/4-U  
SAFETEE GLASS  
BY  
CHROMALLOY  
ANSI-2-97.1-1972  
SGCC 157

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

LAMINATED  
SAFETY GLASS  
**D.G.C.**  
.218 U  
A.N.S.I. 297.1-1972  
SGCC-147

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Downey Glass Company  
5631 Ferguson Drive  
Los Angeles, California 90022

Tentative Label  
TUFLITE  
188 U  
SGCC-512  
ANSI Z97.1-1972

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

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

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  
1 Parklane Boulevard  
Dearborn, Michigan 48126

*Ford*  
FORD TEMPERED  
SAFETY GLASS  
ANSI Z97.1-1972  
SGCC 3/16 U  
4E

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

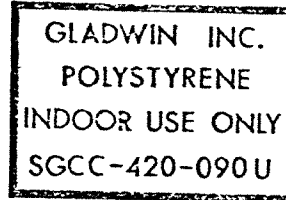
FOURCO  
*Cleartemp*  
SAFETY  
HEAT TEMPERED  
GLASS 3/16 U  
\*ANSI Z97.1-1972  
SGCC-36

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

General Electric Company  
One Plastics Avenue  
Pittsfield, Massachusetts 01201

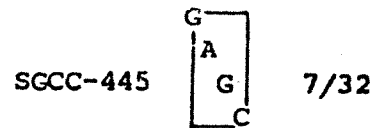


Gladwin, Inc.  
Route 1; Box 370 A  
Oakwood, Georgia 30566



Globe-Amerada Glass Company  
2001 Greenleaf Avenue  
Elk Grove Village, Illinois 60007

LAMINATED SAFETY GLASS



ANSI Z97.1-1972

Guardian Industries Corporation  
43043 West Nine Mile Road  
Northville, Michigan 48167



Hamilton of Indiana, Inc.  
2000 Chestnut Street  
Vincennes, Indiana 47591

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

ICP Industries, Inc.  
7411 N. E. Third Avenue  
Miami, Florida 33138

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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

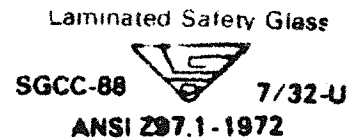
K-S-H, Inc.  
10091 Manchester Road  
St. Louis, Missouri 63122

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

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



Laminated Glass Corporation  
9797 Erwin Avenue  
Detroit, Michigan 48213



Libbey-Owens-Ford Company  
811 Madison Avenue  
Toledo, Ohio 43695



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

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

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

**ShinkoLite® A**

ANSI Z 97.1-1972

0.080U SGCC 496

 MITSUBISHI RAYON CO. LTD.

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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

TEMPERED  
SAFETY GLASS



ANSI Z97.1-1972  
CGSB-12-GP-1  
SGCC-481  
1/4-U

Ohio Plate Glass Company  
P. O. Box 671  
Lewisburg, Ohio 45338

SAFETY  
TEMPERED  
3/16"-U SGCC  
185  
OHIO  
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-62 11372

Paulding Glass Products, Inc.  
West Caroline Street  
Paulding, Ohio 45879

Paulding  
TEMPERED  
SAFETY GLASS  
ANSI Z97.1-1972  
SGCC-261.210-U

Plaskolite, Inc.  
1770 Joyce Avenue  
Columbus, Ohio 43219

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

Republic Glass Corporation  
c/o Castle & Cooke, Inc.  
50 California Street  
San Francisco, California 94111

 Safevue  
PHILIPPINES  
TEMPERED SAFETY GLASS  
ANSI Z 97.1 - 1972  
7/32 U SGCC - 507



EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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


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

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

Rowland Products, Inc.  
Fairview Lane  
Kensington, Connecticut 06037

ROWLEX®  
POLYCARBONATE SAFETY GLAZING  
ANSI Z97.1-1972 .090U  
SGCC-120

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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL


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 080 UPS  
SGCC-18  
FOR INDOOR USE ONLY

Swedlow, Inc.  
7350 Empire Drive  
Florence, Kentucky 41042

	Swedlow, Inc. SWEDGLAZE S.G. ANSI Z-97.1 - 1972 .080U S.G.C.C. 485 S-300
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Taiwan Glass Corporation  
10500 Ridder Road  
Wilsonville, Oregon 97070

Tentative Label

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

Taylor Products, Inc.  
Laura Avenue  
Payne, Ohio 45880

TEMPERED SAFETY  
*Taylor* \* GLASS  
MADE  
©

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

Tempered Glass Corporation  
6900 Adamo Drive  
Tampa, Florida 33619

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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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

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

Tudor Safety Glass Company Limited  
Vinylex Works  
Queenborough, Kent, England

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

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

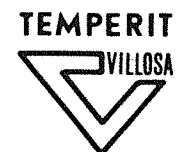
Tuf-flex Glass Inc.  
TEMPERED SAFETY GLASS  
1/4"-U ANSI Z97.1-1972  
SGCC-229

Tyre Brothers Glass Company  
3008 South San Pedro Street  
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

Vidrios Securit S.A.  
A.A. 437  
Barranquilla, Colombia



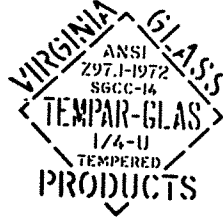
TEMPERED SGCC-467  
7/32 U ANSI Z 97.1 - 1972

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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

MEETINGS OF CERTIFICATION COMMITTEE

THE CERTIFICATION COMMITTEE OF THE SAFETY GLAZING CERTIFICATION COUNCIL MET ON FEBRUARY 4 AND 5 AND MAY 6 AND 7 DURING 1975. INTERESTED PERSONS MAY OBTAIN MINUTES OF THESE MEETINGS BY WRITING TO THE SAFETY GLAZING CERTIFICATION COUNCIL.

\* \* \* \* \*

SGCC APPROVED TESTING LABORATORIES

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

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

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

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

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

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

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

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

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

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.

#### *Products Listed in Certified Products Directory*

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 complainant's surety deposit, *unless* the investigation proves non-compliance, *in which case all costs will be borne by the participant found to be in non-compliance.*

#### *Withdrawal of Certified Product*

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

### COSTS

#### *What Does The Program Cost?*

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

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

#### *Program Costs:*

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

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

## CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS

### *Licensee Agreement*

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

*Future Amendments or Revisions* to the License Agreement will be recommended by the SGCC Certification Committee and enacted by the SGCC Board of Directors.

### *Effective Date, Duration and Termination*

The License Agreement becomes effective on the date of its execution; has an initial duration of six months (adjustable to a January 1 to July 1 or a July 1 to January 1 basis), and is automatically renewed for successive, additional periods of six months, unless either party gives notice at least

sixty days prior to date of expiration that cancellation is requested or unless revoked by SGCC for causes set forth in the document.

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

Upon proper execution and acceptance by SGCC the *Test Release Bond* permits the continuation of certification of an item even though the production facilities are shut down. If the participant does not notify SGCC within one week of the resumption of production the bond is forfeited to SGCC.

#### *Administrative Service Agreement.*

This agreement, entered into by SGCC and Certification Services Corporation, governs the relationship between SGCC and CSC, the independent Administrator. In general, it provides that the Administrator:

- a) samples certified products routinely
- b) has the right to witness any and all testing
- c) reviews all test reports in order to determine compliance of the certified product with the Specifications
- d) inspects and approves all in-plant and Test Laboratory test facilities for use in this Certification Program (Test Laboratories are "recognized" or approved by the SGCC Certification Committee)
- e) publishes and mails the SGCC Certified Products Directory on or about each January 1 and July 1
- f) handles all routine clerical duties of SGCC with respect to certification matters
- g) acts as SGCC treasurer, invoicing participants, maintaining a bank account and dispersing funds (fiscal reports are made to the SGCC Certification Committee)
- h) furnishes all testing except for prototype tests
- i) attends all scheduled meetings of the SGCC Certification Committee and
- j) in all of its actions acts in the name of SGCC.

#### *Procedural Guide*

This guide outlines program procedures in accordance with the provisions of the License Agreement and the Administration Service Agreement, for the guidance of those concerned with the

procedural details of the Certification Program's operation. It covers the steps to be taken in any given procedural situation in the interest of equitable and uniform treatment of participants and the preservation of the integrity of the Certification Program.

### *Certified Products Directory*

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

### *Certification Label*

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

## PROGRAM RESPONSIBILITY

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

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

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

### *Communications*

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

*SGCC*  
Mrs. Shirley Staford  
Assistant Secretary  
1640 West 32 Place  
Hialeah, Florida 33012  
Phone: 305-558-1352

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

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

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

## 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 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 as a failure to comply with the Specifications. In such cases of noncompliance, Sections a, c, and e of G.11 shall be followed.
- 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:

G.10 (Continued)

- 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 certification purposes the nominal thickness of 210 tempered pattern glass shall be 0.210 inches and thickness tolerances shall be plus 0.031 inches and minus 0.016 inches.
- 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:
  - a) The glass thickness of the candidate glass is nominally equal to the thickness of the glass that is certified.
  - b) The wire diameter in the candidate glass is at least as great as the wire diameter in the glass that is certified.
  - c) The spacing of the wires in the candidate glass is no greater than the spacing of the wires in the glass that is certified.
  - d) The Certification Committee has been presented with a copy of the results of a test indicating that compliance of the candidate glass with the requirements of 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.

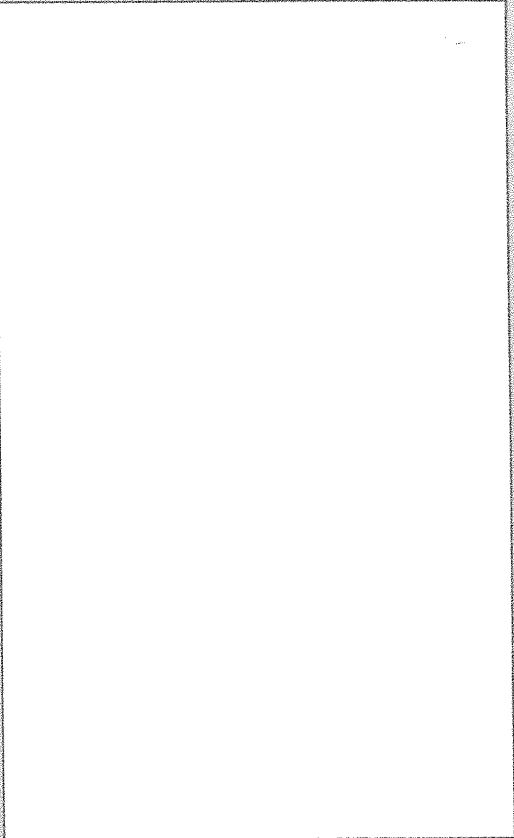


**safety glazing certification council**

1640 west 32 place  
hialeah, florida 33012

future editions of this certified products directory  
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