

JULY 1, 1974



safety glazing certification council

certified products directory  
safety glazing material used in buildings

## TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
Meetings of Certification Committee .....	2
Program Concept .....	3
Certified Products (by number) .....	4
Certified Products (by plant) .....	5
Certified Products (by product) .....	15
Label Requirements .....	24
Participant's and their Typical Labels .....	25
Roster .....	33
Procedural Guide .....	34
Certification Guidelines .....	40
Consumer Safety Glazing Committee Report .....	48

Certification in this directory is up-to-date as of July 1, 1974, 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

THE CERTIFICATION COMMITTEE OF THE SAFETY GLAZING CERTIFICATION COUNCIL MET ON FEBRUARY 28 AND MARCH 1 AND JUNE 5 AND 6 DURING 1974. INTERESTED PERSONS MAY OBTAIN MINUTES OF THESE MEETINGS BY WRITING TO THE SAFETY GLAZING CERTIFICATION COUNCIL.

## 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 among its purposes the establishment of a method of certification and marking for approved safety glazing materials. This organization is operated in compliance with the American National Standard Practice for Certification Procedures, Z34.1-1947 (R1959).

SGCC administers a program for materials as to their conformity with American National Standard Z97.1-1972, an internationally recognized standard for safety glazing for buildings developed by the American National Standards Institute. In essence, this Standard subjects glazing materials to a practical test to determine that they break in a manner unlikely to cause any personal injury, i. e. that they "break safe".

Management and control of the program is vested in a 12-man board of directors, six representing industry and six representing the 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 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 program is addressed to all types of safety glazing materials, whether transparent or obscure, whether made of plastic, glass or some composite of these or other materials. The presence of a permanent label registered with and authorized by the Safety Glazing Certification Council, and showing SGCC's certification number will indicate that the safety glazing material is in compliance with the "break-safe" characteristic of ANSI Z97.1-1972.

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-118 Flex-0- Glass	SGCC-239 Visador	SGCC-337 Tempered Glass
SGCC- 12 Virginia Glass	SGCC-120 Rowland Products	SGCC-243 T-O-W Industries	SGCC-338 Tempered Glass
SGCC- 13 Virginia Glass	SGCC-125 C-E Glass	SGCC-245 C-E Glass	SGCC-339 Chromalloy-Safetee
SGCC- 14 Virginia Glass	SGCC-127 Hamilton of Indiana	SGCC-246 C-E Glass	SGCC-340 Paulding Glass
SGCC- 16 S. A. Glaverbel	SGCC-128 Hamilton of Indiana	SGCC-248 PPG Industries	SGCC-341 Ford Motor Company
SGCC- 17 Intercosmic	SGCC-129 Hamilton of Indiana	SGCC-249 PPG Industries	SGCC-342 Ford Motor Company
SGCC- 18 Southern Plastics	SGCC-131 Guardian Industries	SGCC-250 PPG Industries	SGCC-343 C-E Glass
SGCC- 19 Libbey-Owens-Ford	SGCC-132 C-E Glass	SGCC-251 Canadian Pittsburgh	SGCC-344 C-E Glass
SGCC- 21 Libbey-Owens-Ford	SGCC-136 K-S-H	SGCC-252 Tyre Brothers	SGCC-345 C-E Glass
SGCC- 24 ASG Industries	SGCC-137 C-E Glass	SGCC-253 Tyre Brothers	SGCC-346 C-E Glass
SGCC- 26 ASG Industries	SGCC-138 C-E Glass	SGCC-254 Tyre Brothers	SGCC-347 Tempered Glass
SGCC- 27 ASG Industries	SGCC-140 Minex-Poland	SGCC-255 Tyre Brothers	SGCC-348 Tempered Glass
SGCC- 28 ASG Industries	SGCC-141 ASG Industries	SGCC-256 Tyre Brothers	SGCC-349 ASG Industries
SGCC- 30 ASG Industries	SGCC-143 ASG Industries	SGCC-257 Tuf-flex	SGCC-350 LOF Glass
SGCC- 31 ASG Industries	SGCC-144 C-E Glass	SGCC-258 Tuf-flex	SGCC-351 LOF Glass
SGCC- 33 ASG Industries	SGCC-145 C-E Glass	SGCC-259 Paulding Glass	SGCC-352 LOF Glass
SGCC- 34 Fourco Glass	SGCC-146 C-E Glass	SGCC-260 Paulding Glass	SGCC-353 Central Glass
SGCC- 35 Fourco Glass	SGCC-147 Dearborn Glass	SGCC-261 Paulding Glass	SGCC-354 Visador
SGCC- 36 Fourco Glass	SGCC-150 Libbey-Owens-Ford	SGCC-263 Guardian Industries	SGCC-355 C-E Glass
SGCC- 37 Vidrierias De Llodio	SGCC-151 Libbey-Owens-Ford	SGCC-264 Guardian Industries	SGCC-356 ASG Industries
SGCC- 38 Vidrierias De Llodio	SGCC-152 Plaskolite	SGCC-265 C-E Glass	SGCC-357 Armour Laminated
SGCC- 39 Guardian Industries	SGCC-153 Rohm & Haas	SGCC-266 PPG Industries	SGCC-358 Armour Laminated
SGCC- 40 Guardian Industries	SGCC-154 Rohm & Haas	SGCC-267 PPG Industries	SGCC-359 Sheffield Plastics
SGCC- 41 Guardian Industries	SGCC-157 Chromalloy-Safetee	SGCC-269 Tudor Safety	SGCC-360 C-E Glass
SGCC- 42 Guardian Industries	SGCC-158 Chromalloy-Safetee	SGCC-270 Tuf-flex	SGCC-361 C-E Glass
SGCC- 43 Guardian Industries	SGCC-160 Guardian Industries	SGCC-272 PPG Industries	SGCC-362 C-E Glass
SGCC- 46 Asahi Glass	SGCC-162 Southern Plastics	SGCC-273 PPG Industries	SGCC-366 General Electric
SGCC- 47 C-E Glass	SGCC-163 Fourco Glass	SGCC-274 M. L. Burke	SGCC-367 Windor Industries
SGCC- 49 C-E Glass	SGCC-164 Fourco Glass	SGCC-279 Ohio Plate Glass	SGCC-368 Double Seal
SGCC- 50 C-E Glass	SGCC-167 Rohm & Haas	SGCC-280 ASG Industries	SGCC-369 Windor Industries
SGCC- 51 C-E Glass	SGCC-173 Sheffield Plastics	SGCC-281 ASG Industries	SGCC-370 Taiwan Glass
SGCC- 53 C-E Glass	SGCC-177 Taiwan Glass	SGCC-286 Vidrierias De Llodio	SGCC-371 C-E Glass
SGCC- 54 Hamilton of Indiana	SGCC-178 K-S-H	SGCC-291 Fourco Glass	SGCC-378 Chromalloy-Safetee
SGCC- 55 Hamilton of Indiana	SGCC-181 Chromalloy-Safetee	SGCC-292 Fourco Glass	SGCC-379 Chromalloy-Safetee
SGCC- 56 Hamilton of Indiana	SGCC-182 Chromalloy-Safetee	SGCC-293 Fourco Glass	SGCC-380 Chromalloy-Safetee
SGCC- 57 Hamilton of Indiana	SGCC-183 American Cyanamid	SGCC-295 PPG Industries	SGCC-381 Chromalloy-Safetee
SGCC- 58 PPG Industries	SGCC-184 C-E Glass	SGCC-296 Tyneside	SGCC-382 PPG Industries
SGCC- 59 PPG Industries	SGCC-185 Ohio Plate Glass	SGCC-297 Fourco Glass	SGCC-383 Dura Vue Industries
SGCC- 60 PPG Industries	SGCC-186 Ohio Plate Glass	SGCC-298 Tuf-flex	SGCC-384 PPG Industries
SGCC- 61 PPG Industries	SGCC-187 Ohio Plate Glass	SGCC-299 C-E Glass	SGCC-385 C-E Glass
SGCC- 62 PPG Industries	SGCC-188 Ohio Plate Glass	SGCC-300 Guardian Industries	SGCC-386 Libbey-Owens-Ford
SGCC- 63 PPG Industries	SGCC-189 Taylor Products	SGCC-301 Libbey-Owens-Ford	SGCC-387 Pacific Tempered
SGCC- 64 PPG Industries	SGCC-190 Taylor Products	SGCC-302 Libbey-Owens-Ford	SGCC-388 Pacific Tempered
SGCC- 65 PPG Industries	SGCC-191 Taylor Products	SGCC-303 Libbey-Owens-Ford	SGCC-394 C-E Glass
SGCC- 66 PPG Industries	SGCC-192 Taylor Products	SGCC-304 Libbey-Owens-Ford	SGCC-395 ASG Industries
SGCC- 70 PPG Industries	SGCC-194 PPG Industries	SGCC-305 Libbey-Owens-Ford	SGCC-396 Ford Motor Company
SGCC- 71 PPG Industries	SGCC-195 PPG Industries	SGCC-306 Libbey-Owens-Ford	SGCC-397 Ford Motor Company
SGCC- 72 PPG Industries	SGCC-196 PPG Industries	SGCC-307 Falconer	SGCC-398 M. L. Burke
SGCC- 73 PPG Industries	SGCC-198 Nippon Sheet Glass	SGCC-308 Falconer	SGCC-399 M. L. Burke
SGCC- 74 PPG Industries	SGCC-200 PPG Industries	SGCC-309 Falconer	SGCC-400 PPG Industries
SGCC- 75 PPG Industries	SGCC-201 C-E Glass	SGCC-310 Falconer	SGCC-401 PPG Industries
SGCC- 76 C-E Glass	SGCC-203 Ohio Plate Glass	SGCC-311 Falconer	SGCC-402 PPG Industries
SGCC- 78 Guardian Industries	SGCC-204 Armour Laminated	SGCC-312 Tuf-flex	SGCC-403 PPG Industries
SGCC- 81 Saint Gobain	SGCC-205 Armour Laminated	SGCC-314 Tuf-flex	SGCC-404 PPG Industries
SGCC- 82 Libbey-Owens-Ford	SGCC-206 Armour Laminated	SGCC-315 Tuf-flex	SGCC-405 PPG Industries
SGCC- 86 ASG Industries	SGCC-209 Canadian Pittsburgh	SGCC-316 Rotuba Extruders	SGCC-406 Guardian Industries
SGCC- 88 Laminated Glass	SGCC-210 Robeco Products	SGCC-317 C-E Glass	SGCC-407 C-E Glass
SGCC- 89 ASG Industries	SGCC-212 K-S-H	SGCC-318 C-E Glass	SGCC-408 C-E Glass
SGCC- 90 ASG Industries	SGCC-213 Fourco Glass	SGCC-319 C-E Glass	SGCC-409 Guardian Industries
SGCC- 91 ASG Industries	SGCC-217 ASG Industries	SGCC-320 Tuf-flex	SGCC-410 C-E Glass
SGCC- 92 Virginia Glass	SGCC-219 PPG Industries	SGCC-321 Tuf-flex	SGCC-411 C-E Glass
SGCC- 93 Virginia Glass	SGCC-220 ASG Industries	SGCC-322 Tuf-flex	SGCC-412 C-E Glass
SGCC- 94 Virginia Glass	SGCC-221 K-S-H	SGCC-323 Tuf-flex	SGCC-413 C-E Glass
SGCC- 95 Virginia Glass	SGCC-222 Safelite Industries	SGCC-324 Double Seal Glass	SGCC-414 C-E Glass
SGCC- 97 Guardian Industries	SGCC-224 ASG Industries	SGCC-325 T-O-W Industries	SGCC-415 M. L. Burke
SGCC- 98 Guardian Industries	SGCC-225 Safelite Industries	SGCC-326 Taiwan Glass	SGCC-416 Nippon Sheet Glass
SGCC- 99 K-S-H	SGCC-227 Viracon	SGCC-327 Globe-Amerada	SGCC-417 C-E Glass
SGCC-102 PPG Industries	SGCC-228 Viracon	SGCC-328 Ohio Plate Glass	SGCC-418 K-S-H
SGCC-104 Guardian Industries	SGCC-229 Tuf-flex	SGCC-330 C-E Glass	SGCC-419 C-E Glass
SGCC-105 Guardian Industries	SGCC-230 Central Glass	SGCC-331 C-E Glass	SGCC-420 Gladwin Industries
SGCC-108 C-E Glass	SGCC-232 Viracon	SGCC-332 C-E Glass	SGCC-421 Tempered Glass
SGCC-110 C-E Glass	SGCC-233 Viracon	SGCC-333 C-E Glass	SGCC-422 Societa Italiano Vetro
SGCC-114 PPG Industries	SGCC-235 PPG Industries	SGCC-334 Libbey-Owens-Ford	SGCC-423 Societa Italiano Vetro
SGCC-115 Asahi Glass	SGCC-237 Safelite Industries	SGCC-335 Taiwan Glass	SGCC-424 Societa Italiano Vetro
	SGCC-238 Ohio Plate Glass	SGCC-336 C-E Glass	

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## 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-143	3/4	inch	tempered transparent glass	Unlimited size
SGCC-280	1/8	inch	tempered pattern glass (Aquatex)	Unlimited size
SGCC-281	210	inch	tempered pattern glass (Aquatex, Flutex, Industrex*, Murallex*, Pattern 62*, Textured Linex, Velvex*)	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- 30	3/8	inch	tempered transparent glass	Unlimited size
SGCC-141	1/8	inch	tempered pattern glass (Finetex)	Unlimited size
SGCC- 33	3/16	inch	tempered pattern glass (Aquatex, Industrex*, Murallex*, Pattern 62*, Velvex*)	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-349	1/4	inch	polished wire glass (1/2 inch square mesh)	Unlimited size
SGCC- 86	1/4	inch	polished wire glass (3/4 inch diamond mesh)	Unlimited size
SGCC-356	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-395	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
----------	-------	------	---	----------------

## 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
SGCC-115	1/4	inch	laminated transparent glass	Unlimited size

## 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

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## 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-317	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-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-414	3/16	inch	tempered	pattern glass (P-516)	Unlimited size

## C-E Glass; Cinnaminson, New Jersey

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 (Spraylite, Flemish*, P-516*)	Unlimited size

## C-E Glass; Fullerton, California

SGCC-299	3/16	inch	tempered	pattern glass (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"

## 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



# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## C-E Glass; Pennsauken, New Jersey

SGCC- 51	1/8	inch	tempered transparent glass	Unlimited size
SGCC-362	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 53	1/4	inch	tempered transparent glass	Unlimited size
SGCC-408	1/8	inch	tempered pattern glass (Spray Lite)	Unlimited size
SGCC-132	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	28" by 54"

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

SGCC-417	7/32	inch	pattern wire glass (1/2 inch parallel; Factrolite)	Unlimited size
----------	------	------	--	----------------

## 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-394	1/8	inch	tempered pattern glass (Smooth Rough)	Unlimited size
SGCC-343	210	inch	tempered pattern glass (Spray Lite, Flemish*, P-516*)	Unlimited size
SGCC-344	7/32	inch	tempered pattern glass (P-516)	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-230	1/8	inch	tempered transparent glass	Unlimited size
SGCC-353	1/4	inch	polished wire glass (3/4 inch diamond mesh)	Unlimited size

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

SGCC-339	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

## Chromalloy-Safetee Glass Division; Philadelphia, Pennsylvania

SGCC-158	7/32	inch	laminated transparent glass	Unlimited size
----------	------	------	-----------------------------	----------------

## Dearborn Glass Company; Bedford Park, Illinois

SGCC-147	7/32	inch	laminated transparent glass	Unlimited size
----------	------	------	-----------------------------	----------------

## Double Seal Glass Company, Inc.; Flint, Michigan

SGCC-368	3/16	inch	annealed pattern glass; 0.006 inch plastic coating (Pattern 62)	Unlimited size
SGCC-324	3/16	inch	annealed pattern glass; 0.005 inch plastic coating (Lozenge)	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

Dura-Vue Industries, Inc.; Chicago, Illinois				
SGCC-383	3/16	inch	tempered transparent glass	Unlimited size
Falconer Plate Glass Corporation; Falconer, New York				
SGCC-307	3/16	inch	tempered transparent glass	Unlimited size
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
Flex-O-Glass; Dixon, Illinois				
SGCC-118	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
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; Adamston Division				
SGCC-163	3/16	inch	tempered transparent glass	Unlimited size
SGCC-164	7/32	inch	tempered transparent glass	Unlimited size
SGCC-213	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-366	0.080	inch	and greater thicknesses smooth extruded polycarbonate	Unlimited size
Gladwin Industries, Inc.; Oakwood, Georgia				
SGCC-420	0.090	inch	pattern plastic (Ripple) (Indoor use only)	Unlimited size
S. A. Glaverbel; Bruxelles, Belgium				
SGCC- 16	3/16	inch	tempered transparent glass	Unlimited size
Globe-Amerada Glass Company; Elk Grove Village, Illinois				
SGCC-327	0.145	inch	laminated transparent glass	34" by 40'
Guardian Industries Corporation; Carleton, Michigan				
SGCC-406	3/16	inch	tempered transparent glass	Unlimited size
SGCC-131	1/4	inch	tempered transparent glass	Unlimited size
SGCC-160	3/8	inch	tempered transparent glass	Unlimited size
SGCC-263	1/2	inch	tempered transparent glass	Unlimited size



# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## 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

## Guardian Industries Corporation; Torrance, California

SGCC-409	3/16	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; Webster, Massachusetts

SGCC-300	1/8	inch	tempered transparent glass	Unlimited size
SGCC-104	3/16	inch	tempered transparent glass	Unlimited size
SGCC-105	1/4	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

## Intercosmic Plastics; Division of ICP Industries, Inc.; Miami, Florida

SGCC- 17	0.090	inch	through 3/16 inch pattern extruded plastic (Seaflair)	Unlimited size
----------	-------	------	---	----------------

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

SGCC-418	3/32	inch	through 3/16 inch pattern extruded acrylic (Calypso, Casbah, Lido, Seedy, Slate)	Unlimited size
SGCC- 99	0.100	inch	through 3/16 inch pattern extruded plastic (indoor use only) (Glacial)	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
----------	-------	------	--	----------------

## K-S-H, Inc.; Tustin, California

SGCC-212	0.060	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
SGCC-221	0.100	inch	through 3/16 inch pattern extruded plastic (Indoor use only) (Calypso, Glacial, Starlite*)	Unlimited size

## 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

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

Laminated Glass Corporation; Detroit, Michigan  
SGCC- 88 7/32 inch laminated transparent glass

Unlimited size

Libbey-Owens-Ford Company; East Toledo, Ohio  
SGCC-302 SS/SS laminated transparent glass  
SGCC-334 SS/DS laminated transparent glass  
SGCC- 82 1/4 inch laminated transparent glass  
SGCC-301 1/2 inch laminated transparent glass

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Libbey-Owens-Ford Company; Rossford, Ohio  
SGCC- 21 1/8 inch tempered transparent glass  
SGCC-386 3/16 inch tempered transparent glass  
SGCC- 19 1/4 inch tempered transparent glass  
SGCC-303 5/16 inch tempered transparent glass  
SGCC-304 3/8 inch tempered transparent glass  
SGCC-150 1/2 inch tempered transparent glass  
SGCC-305 5/8 inch tempered transparent glass  
SGCC-151 3/4 inch tempered transparent glass  
SGCC-306 7/8 inch tempered transparent glass

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Minex-Poland; Jaroszwiec, Poland  
SGCC-140 210 inch tempered pattern glass (Pattern 100)

Unlimited size

Nippon Sheet Glass Company, Ltd.; Osaka, Japan  
SGCC-198 3/16 inch tempered transparent glass  
SGCC-416 1/4 inch polished wire glass (3/4 inch diamond mesh)

Unlimited size

Unlimited size

Ohio Plate Glass Company; Lewisburg, Ohio  
SGCC-187 1/8 inch tempered transparent glass  
SGCC-185 3/16 inch tempered transparent glass  
SGCC-279 7/32 inch tempered transparent glass  
SGCC-186 1/4 inch tempered transparent glass  
SGCC-203 1/8 inch tempered pattern glass (Ribbed, Flax\*, Flemish\*,  
Industrex\*, Lozenge\*, Pattern 62\*, Roundel\*, Velvex\*)  
SGCC-188 3/16 inch tempered pattern glass (Pattern 62, Aquatex\*)  
SGCC-328 3/16 inch tempered pattern glass (Roundel, Lozenge)  
SGCC-238 7/32 inch tempered pattern glass (Textured Linex, Aquatex,  
Flemish\*, Flutex\*, Industrex\*, Muralex\*, Pattern 62\*,  
Skytex\*, Velvex\*)

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

Unlimited size

34" by 48"

Unlimited size

Unlimited size

PPG Industries, Inc.; Carlisle, Pennsylvania  
SGCC-250 1/8 inch tempered transparent glass  
SGCC-249 3/16 inch tempered transparent glass  
SGCC-382 1/4 inch tempered transparent glass

Unlimited size

Unlimited size

Unlimited size

PPG Industries, Inc.; Chicago, Illinois  
SGCC-266 3/16 inch tempered transparent glass  
SGCC-267 1/4 inch tempered transparent glass  
SGCC-272 3/8 inch tempered transparent glass  
SGCC-273 1/2 inch tempered transparent glass

Unlimited size

Unlimited size

Unlimited size

Unlimited size

PPG Industries, Inc.; Creighton, Pennsylvania  
SGCC-114 1/4 inch laminated transparent glass

Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## 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-235	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-401	7/32	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

## 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
SGCC- 72	1/4	inch	tempered transparent glass	Unlimited size

## Pacific Tempered Glass Corporation; Wilsonville, Oregon

SGCC-387	3/16	inch	tempered transparent glass	Unlimited size
SGCC-388	1/4	inch	tempered transparent glass	Unlimited size

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

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
----------	-------	------	--	----------------

Robeco Products, Inc.; Tainan, Taiwan

SGCC-210	0.080	inch	and greater thicknesses smooth cast acrylic	Unlimited size
----------	-------	------	---	----------------

Rohm and Haas Company; Bristol, Pennsylvania

SGCC-167	0.080	inch	through 0.125 inch 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	through 0.187 inch smooth cast acrylic	Unlimited size
----------	-------	------	--	----------------

Rotuba Extruders, Inc.; Linden, New Jersey

SGCC-316	0.080	inch	through 0.125 inch 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-222	7/32	inch	laminated transparent glass	Unlimited size
----------	------	------	-----------------------------	----------------

SGCC-237	1/4	inch	laminated transparent glass	Unlimited size
----------	-----	------	-----------------------------	----------------

Safelite Industries; Wichita, Kansas

SGCC-225	1/8	inch	tempered transparent glass	Unlimited size
----------	-----	------	----------------------------	----------------

Saint Gobain; Aniche, France

SGCC- 81	3/16	inch	tempered transparent glass	Unlimited size
----------	------	------	----------------------------	----------------

Sheffield Plastics, Inc.; Sheffield, Massachusetts

SGCC-173	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
----------	-------	------	--	----------------

SGCC-359	0.060	inch	and greater thicknesses smooth extruded polycarbonate	Unlimited size
----------	-------	------	---	----------------

Societa Italiano Vetro, S.P.A.; San Salvo, Italy

SGCC-422	1/8	inch	tempered transparent glass	Unlimited size
----------	-----	------	----------------------------	----------------

SGCC-423	1/4	inch	tempered transparent glass	Unlimited size
----------	-----	------	----------------------------	----------------

SGCC-424	1/4	inch	laminated transparent glass	Unlimited size
----------	-----	------	-----------------------------	----------------

Southern Plastics Company; Columbia, South Carolina

SGCC-162	0.080	inch	through 0.125 inch smooth extruded acrylic	Unlimited size
----------	-------	------	--	----------------

SGCC- 18	0.080	inch	through 0.090 inch pattern extruded plastic (Indoor use only) (Cracked Ice, Rip L)	Unlimited size
----------	-------	------	---	----------------

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## T-O-W Industries, Inc.; Chicago, Illinois

SGCC-325	3/16	inch	tempered transparent glass	Unlimited size
SGCC-243	1/4	inch	tempered transparent glass	Unlimited size

## Taiwan Glass Corporation; Taipei, Taiwan

SGCC-335	1/8	inch	tempered transparent glass	14" by 18"
SGCC-177	3/16	inch	tempered transparent glass	Unlimited size
SGCC-326	7/32	inch	tempered transparent glass	Unlimited size
SGCC-370	3/16	inch	tempered pattern glass (Pattern 757, Pattern 727*, Pattern 767*)	Unlimited size

## Taylor Products, Inc.; Payne, Ohio

SGCC-190	3/16	inch	tempered transparent glass	Unlimited size
SGCC-192	7/32	inch	tempered transparent glass	Unlimited size
SGCC-189	1/4	inch	tempered transparent glass	Unlimited size
SGCC-191	210	inch	tempered pattern glass (Industrex, Aquatex, Muralex*, Pattern 62*)	Unlimited size

## Tempered Glass Corporation; Tampa, Florida

SGCC-347	3/16	inch	tempered transparent glass	Unlimited size
SGCC-337	1/4	inch	tempered transparent glass	Unlimited size
SGCC-348	3/8	inch	tempered transparent glass	Unlimited size
SGCC-338	1/2	inch	tempered transparent glass	Unlimited size
SGCC-421	210	inch	tempered pattern glass (Spray Lite, Pattern 62)	Unlimited size

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

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

## Tuf-flex Glass, Inc.; Atlanta, Georgia

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

## Tuf-flex Glass, Inc.; Elmhurst, Illinois

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

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

SGCC-312	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

## Tyneside Safety Glass Company, Ltd.; Gateshead on Tyne; England

SGCC-296	1/4	inch	laminated transparent glass	Unlimited size
----------	-----	------	-----------------------------	----------------

# CERTIFIED PRODUCTS ALPHABETICAL BY PLANT

FOR LISTING BY PRODUCT TYPE, PLEASE SEE PAGE 15.

## Tyre Brothers Glass Company; Los Angeles, California

SGCC-252	3/16	inch	tempered transparent glasss	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- 38	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 37	7/32	inch	tempered transparent glass	Unlimited size

## Viracon, Inc.; Owatonna, Minnesota

SGCC-227	3/16	inch	tempered transparent glass	Unlimited size
SGCC-228	1/4	inch	tempered transparent glass	Unlimited size
SGCC-233	SS/DS		laminated transparent glass	Unlimited size
SGCC-232	1/4	inch	laminated transparent glass	Unlimited size

## Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 12	3/16	inch	tempered transparent glass	Unlimited size
SGCC- 13	7/32	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-239	1/8	inch	annealed glass; 0.016 inch pattern plastic coating	Unlimited size
SGCC-354	3/16	inch	lead pattern glass (Flemish)	20" by 34"

## Windor Industries, Inc.; Dallas, Texas

SGCC-369	1/8	inch	tempered transparent glass	Unlimited size
SGCC-367	3/16	inch	tempered transparent glass	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 5.

## TEMPERED TRANSPARENT GLASS

### 1/8 inch tempered transparent glass

ASG Industries, Inc.; Greenland Tennessee	SGCC-224	Unlimited size
M. L. Burke Company; Cornwells Heights, Pennsylvania	SGCC-415	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-184	Unlimited size
C-E Glass; Pennsauken, New Jersey	SGCC- 51	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-360	Unlimited size
Canadian Pittsburgh Industries, Ltd.; Owen Sound, Ontario	SGCC-251	Unlimited size
Central Glass Company, Ltd.; Tokyo, Japan	SGCC-230	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
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC- 21	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-350	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
Societa Italiano Vetro, S.P.A.; San Salvo, Italy	SGCC-422	Unlimited size
Taiwan Glass Corporation; Taipei, Taiwan	SGCC-335	14" by 18"
Vidrierias De Llodio, S.A.; Alava, Spain	SGCC-286	Unlimited size
Windor Industries, Inc.; Dallas, Texas	SGCC-369	Unlimited size

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

Ford Motor Company; Dearborn, Michigan	SGCC-396	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-317	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-362	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 5.

## 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-339	Unlimited size
Dura Vue Industries, Inc.; Chicago, Illinois	SGCC-383	Unlimited size
Falconer Plate Glass Corporation; Falconer, New York	SGCC-307	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; Adamston Division	SGCC-163	Unlimited size
Fourco Glass Company; Clarksburg, West Virginia; Rolland Division	SGCC-291	Unlimited size
Fourco Glass Company; Fort Smith, Arkansas	SGCC- 36	Unlimited size
S. A. Glaverbel; Bruxelles, Belgium	SGCC- 16	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
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-386	Unlimited size
LOF Glass, Inc.; Laurinburg, North Carolina	SGCC-351	Unlimited size
Nippon Sheet Glass Company, Ltd.; Osaka, Japan	SGCC-198	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-185	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
Pacific Tempered Glass Corporation; Wilsonville, Oregon	SGCC-387	Unlimited size
Paulding Glass Products, Inc.; Paulding, Ohio	SGCC-340	Unlimited size
Saint Gobain; Aniche, France	SGCC- 81	Unlimited size
T-O-W Industries, Inc.; Chicago, Illinois	SGCC-325	Unlimited size
Taiwan Glass Corporation; Taipei, Taiwan	SGCC-177	Unlimited size
Taylor Products, Inc.; Payne, Ohio	SGCC-190	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-347	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.; Saddle Brook, New Jersey	SGCC-312	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-252	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC- 38	Unlimited size
Viracon, Inc.; Owatonna, Minnesota	SGCC-227	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 12	Unlimited size
Windor Industries, Inc.; Dallas, Texas	SGCC-367	Unlimited size

## 7/32 inch tempered transparent glass

C-E Glass; Lancaster, Ohio; Stocum Street	SGCC-331	30" by 39"
Fourco Glass Company; Clarksburg, West Virginia; Adamston Division	SGCC-164	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 5.

## 7/32 inch tempered transparent glass - continued

Guardian Industries Corporation; Fort Lauderdale, Florida  
Hamilton of Indiana, Inc.; Vincennes, Indiana  
Ohio Plate Glass Company; Lewisburg, Ohio  
PPG Industries, Inc.; Dallas, Texas  
PPG Industries, Inc.; Ford City, Pennsylvania  
Taiwan Glass Corporation; Taipei, Taiwan  
Taylor Products Corporation; Payne, Ohio  
Vidrierias De Llodio, S.A.; Alava, Spain  
Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 39 Unlimited size  
SGCC- 55 Unlimited size  
SGCC-279 Unlimited size  
SGCC-401 Unlimited size  
SGCC- 66 Unlimited size  
SGCC-326 Unlimited size  
SGCC-192 Unlimited size  
SGCC- 37 Unlimited size  
SGCC- 13 Unlimited size

## 1/4 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee  
ASG Industries, Inc.; Kingsport, Tennessee  
Armour Laminated Glass Company, Inc.; Santa Fe Springs, California  
M. L. Burke Company; Cornwells Heights, Pennsylvania  
C-E Glass; Atlanta, Georgia  
C-E Glass; Bensenville, Illinois  
C-E Glass; Carson, California  
C-E Glass; Cinnaminson, New Jersey  
C-E Glass; Houston, Texas  
C-E Glass; Lancaster, Ohio; Quarry Road  
C-E Glass; Lancaster, Ohio; Slocum Street  
C-E Glass; Miami, Florida  
C-E Glass; Pennsauken, New Jersey  
C-E Glass; Tampa, Florida  
C-E Glass; Warrenton, Missouri  
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania  
Falconer Plate Glass Corporation; Falconer, New York  
Ford Motor Company; Dearborn, Michigan  
Fourco Glass Company; Clarksburg, West Virginia; Adamston Division  
Fourco Glass Company; Clarksburg, West Virginia; Rolland Division  
Fourco Glass Company; Fort Smith, Arkansas  
Guardian Industries Corporation; Carleton, Michigan  
Guardian Industries Corporation; Fort Lauderdale, Florida  
Guardian Industries Corporation; Torrance, California  
Guardian Industries Corporation; Webster, Massachusetts  
Hamilton of Indiana, Inc.; Vincennes, Indiana  
Libbey-Owens-Ford Company; Rossford, Ohio  
LOF Glass, Inc.; Laurinburg, North Carolina  
Ohio Plate Glass Company; Lewisburg, Ohio  
PPG Industries, Inc.; Carlisle, Pennsylvania  
PPG Industries, Inc.; Chicago, Illinois  
PPG Industries, Inc.; Crestline, Ohio  
PPG Industries, Inc.; Dallas, Texas  
PPG Industries, Inc.; Ford City, Pennsylvania  
PPG Industries, Inc.; Fresno, California  
PPG Industries, Inc.; Miami, Florida  
PPG Industries, Inc.; Mt. Vernon, Ohio  
PPG Industries, Inc.; Mt. Zion, Illinois

SGCC- 89 Unlimited size  
SGCC- 24 Unlimited size  
SGCC-205 Unlimited size  
SGCC-398 Unlimited size  
SGCC-108 Unlimited size  
SGCC-318 Unlimited size  
SGCC-411 Unlimited size  
SGCC-246 Unlimited size  
SGCC-137 Unlimited size  
SGCC-146 Unlimited size  
SGCC-332 30" by 39"  
SGCC- 49 Unlimited size  
SGCC- 53 Unlimited size  
SGCC- 47 Unlimited size  
SGCC-361 Unlimited size  
SGCC-157 Unlimited size  
SGCC-308 Unlimited size  
SGCC-397 Unlimited size  
SGCC-213 Unlimited size  
SGCC-293 Unlimited size  
SGCC- 34 Unlimited size  
SGCC-131 Unlimited size  
SGCC- 40 Unlimited size  
SGCC- 43 Unlimited size  
SGCC-105 Unlimited size  
SGCC- 57 Unlimited size  
SGCC- 19 Unlimited size  
SGCC-352 Unlimited size  
SGCC-186 Unlimited size  
SGCC-382 Unlimited size  
SGCC-267 Unlimited size  
SGCC-102 26 3/4" by 72"  
SGCC-402 Unlimited size  
SGCC- 70 Unlimited size  
SGCC- 73 Unlimited size  
SGCC-194 Unlimited size  
SGCC- 71 Unlimited size  
SGCC- 72 Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 5.

## 1/4 inch tempered transparent glass - continued

Pacific Tempered Glass Corporation; Wilsonville, Oregon	SGCC-388	Unlimited size
Paulding Glass Products, Inc.; Paulding, Ohio	SGCC-259	Unlimited size
Societa Italiano Vetro, S.P.A.; San Salvo, Italy	SGCC-423	Unlimited size
T-O-W Industries, Inc.; Chicago, Illinois	SGCC-243	Unlimited size
Taylor Products, Inc.; Payne, Ohio	SGCC-189	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-337	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.; Saddle Brook, New Jersey	SGCC-298	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

Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-303	Unlimited size
---	----------	----------------

## 3/8 inch tempered transparent glass

ASG Industries, Inc.; Greenland, Tennessee	SGCC- 90	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee	SGCC- 30	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-371	Unlimited size
C-E Glass; Carson, California	SGCC-412	Unlimited size
C-E Glass; Cinaminson, New Jersey	SGCC-345	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-181	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
Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC-127	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-304	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
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.; Saddle Brook, New Jersey	SGCC-314	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
C-E Glass; Carson, California	SGCC-413	Unlimited size
C-E Glass; Cinaminson, New Jersey	SGCC-346	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC-182	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

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 5.

## 1/2 inch tempered transparent glass - continued

Hamilton of Indiana, Inc.; Vincennes, Indiana	SGCC-128	Unlimited size
Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-150	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
Tempered Glass Corporation; Tampa, Florida	SGCC-338	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.; Saddle Brook, New Jersey	SGCC-315	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-255	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 94	Unlimited size

## 5/8 inch tempered transparent glass

Libbey-Owens-Ford Company; Rossford, Ohio	SGCC-305	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-306	Unlimited size
---	----------	----------------

## TEMPERED PATTERN GLASS

### 1/8 inch tempered pattern glass

ASG Industries, Inc.; Greenland, Tennessee (Aquatex)	SGCC-280	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (Finetex)	SGCC-141	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road (Spray Lite)	SGCC-355	28" by 68"
C-E Glass; Pennsauken, New Jersey (Spray Lite)	SGCC-408	Unlimited size
C-E Glass; Warrenton, Missouri (Smooth Rough)	SGCC-394	Unlimited size
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

ASG Industries, Inc.; Kingsport, Tennessee (Aquatex, Industrex*, Murallex*, Pattern 62*, Velvex*)	SGCC- 33	Unlimited size
C-E Glass; Carson, California (P-516)	SGCC-414	Unlimited size
C-E Glass; Fullerton, California (P-516)	SGCC-299	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	34" by 48"
PPG Industries, Inc.; Crestline, Ohio (Roundel, Lozenge)	SGCC-235	Unlimited size
Taiwan Glass Company; Taipei, Taiwan (Pattern 757, Pattern 727*, Pattern 767*)	SGCC-370	Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 5.

## 210 inch tempered pattern glass

ASG Industries, Inc.; Greenland, Tennessee (Aquatex, Flutex, Industrex*, Muralex*, Pattern 62*, Textured Linex, Velvex*)	SGCC-281	Unlimited size
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; Pennsauken, New Jersey (Spray Lite, Flemish*, P-516*)	SGCC-132	28" by 54"
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; Jaroslawiec, Poland (Pattern 100)	SGCC-140	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)	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*, Flutex*, Industrex*, Muralex*, Pattern 62*, Skytex*, Velvex*)	SGCC-238	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
Tyre Brothers Glass Company; Los Angeles, California (Smooth Rough, Aquatex, Burlap*, Factrolite*, J-3*, P-516*)	SGCC-256	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 5.

## LAMINATED TRANSPARENT GLASS

### 0.145 inch laminated transparent glass

Globe-Amerada Glass Company; Elk Grove Village, Illinois

SGCC-327 34" by 40"

### SS/SS laminated transparent glass

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-302 Unlimited size

### SS/DS laminated transparent glass

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-334 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

Chromalloy-Safetee Glass Division; Philadelphia, Pennsylvania

SGCC-158 Unlimited size

Dearborn Glass Company; Bedford Park, Illinois

SGCC-147 Unlimited size

Laminated Glass Corporation; Detroit, Michigan

SGCC- 88 Unlimited size

Safelite Industries; Denver, Colorado

SGCC-222 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

Asahi Glass Company, Ltd.; Tokyo, Japan

SGCC-115 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

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 Italiano Vetro, S.P.A.; San Salvo, Italy

SGCC-424 Unlimited size

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

SGCC-269 Unlimited size

Tyneside Safety Glass Company, Ltd.; Gateshead on Tyne, England

SGCC-296 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

### 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

Libbey-Owens-Ford Company; East Toledo, Ohio

SGCC-301 Unlimited size

# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 5.

## 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- 86	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (3/4 inch diamond mesh)	SGCC-356	Unlimited size
ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe; 1/2 inch parallel)	SGCC-217	Unlimited size
Central Glass Company, Ltd.; Tokyo, Japan (3/4 inch diamond mesh)	SGCC-353	Unlimited size
Nippon Sheet Glass Company, Ltd.; Osaka, Japan (3/4 inch diamond mesh)	SGCC-416	Unlimited size

## PATTERN WIRE GLASS

### 7/32 inch pattern wire glass

ASG Industries, Inc.; Kingsport, Tennessee (Pinstripe; 1/2 inch parallel) (Finetex)	SGCC-395	Unlimited size
C-E Glass; St. Louis, Missouri (1/2 inch parallel) (Factrolite)	SGCC-417	Unlimited size

## SAFETY PLASTIC SHEET

### 0.060 inch and greater thicknesses polycarbonate

Sheffield Plastics, Inc.; Sheffield, Massachusetts (extruded; smooth)	SGCC-359	Unlimited size
---	----------	----------------

### 0.060 inch through 0.125 inch acrylic

K-S-H, Inc.; Tustin, California (extruded; smooth)	SGCC-212	Unlimited size
K-S-H, Inc.; Xenia, Ohio (extruded; smooth)	SGCC-136	Unlimited size

### 0.080 inch and greater thicknesses acrylic

American Cyanamid Company; Sanford, Maine (cast; smooth)	SGCC-183	Unlimited size
Robeco Products, Inc.; Tainan, Taiwan (cast; smooth)	SGCC-210	Unlimited size
Rohm and Haas Company; Knoxville, Tennessee (cast; smooth)	SGCC-153	Unlimited size

### 0.080 inch and greater thicknesses polycarbonate

General Electric Company; Mount Vernon, Indiana (extruded; smooth)	SGCC-366	Unlimited size
--	----------	----------------

### 0.080 inch through 0.187 inch acrylic

Rohm and Haas Company; Louisville, Kentucky (cast; smooth)	SGCC-154	Unlimited size
--	----------	----------------

### 0.080 inch through 0.125 inch acrylic

Flex-O-Glass, Inc.; Dixon, Illinois (extruded; smooth)	SGCC-118	Unlimited size
Plaskolite, Inc.; Columbus, Ohio (extruded; smooth)	SGCC-152	Unlimited size
Rohm and Haas Company; Bristol, Pennsylvania (cast; smooth)	SGCC-167	Unlimited size
Rotuba Extruders, Inc.; Linden, New Jersey (extruded; smooth)	SGCC-316	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
--	----------	----------------

### 3/32 inch through 3/16 inch acrylic

K-S-H, Inc.; Crestwood, Missouri (extruded; pattern) (Calypso; Casbah; Lido; Seedy; Slate)	SGCC-418	Unlimited size
--	----------	----------------



# CERTIFIED PRODUCTS BY PRODUCT TYPE

FOR LISTING BY MANUFACTURING PLANT, PLEASE SEE PAGE 5.

## PLASTIC COATED GLASS

1/8 inch annealed glass; 0.016 inch patterned plastic coating  
Visador Company; Jasper, Texas

SGCC-239 Unlimited size

3/16 inch annealed pattern glass; 0.005 inch plastic coating  
Double Seal Glass Company, Inc.; Flint, Michigan (Lozenge)

SGCC-324 Unlimited size

3/16 inch annealed pattern glass; 0.006 inch plastic coating  
Double Seal Glass Company, Inc.; Flint, Michigan (Pattern 62)

SGCC-368 Unlimited size

## LEADED GLASS

3/16 inch annealed pattern glass  
Visador Company; Jasper, Texas (Flemish)

SGCC-354 20" by 34"

## SAFETY PLASTIC SHEET FOR INDOOR USE ONLY

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

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

SGCC- 17 Unlimited size

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

SGCC-420 Unlimited size

0.080 inch through 0.090 inch plastic  
Southern Plastics Company; Columbia, South Carolina  
(pattern; extruded; indoor use only) (Cracked Ice, Rip L)

SGCC- 18 Unlimited size

0.100 inch through 3/16 inch plastic

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

SGCC- 99 Unlimited size

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

SGCC-221 Unlimited size

0.100 inch through 0.130 inch plastic

K-S-H, Inc.; Fredericksburg, Virginia  
(pattern; extruded; indoor use only) (Calypso, Glacial,  
Roundel, Starlite\*)

SGCC-178 Unlimited size

## SGCC LABEL REQUIREMENTS

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

\* \* \* \* \*

### **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 \_\_\_\_\_

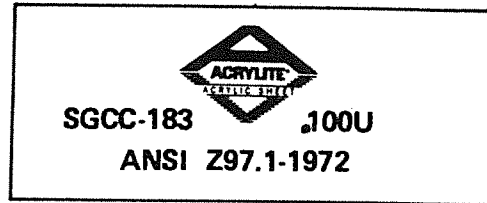
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

### EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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

TRU-TEMP  
 TEMPERED  
 SAFETY GLASS  
 ANSLZ97.1 1972  
 3/16U SGGC 220


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



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

TEMPERED SAFETY GLASS  
[<sup>A</sup><sub>L</sub><sup>G</sup>] SGCC 204  
3/16 U  
ANS Z 97.1-1972

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


 • T E M P E R L I T E •  
 ASAHI GLASS  
 TEMPERED SAFETY GLASS  
 ANSI Z97-1-1972  
 SGCC46 187-U

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



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

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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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

**TEMPERED SAFETY GLASS**  
**TEMPALEX**  
  
**CENTRAL**  
**ANSI Z97.1-1972 1/8" U**  
**SGCC-230**

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

**TEMPERCRON**  
3/16" U  
SAFETEE GLASS  
BY  
**CHROMALLOY**  
**ANSI-Z-97.1-1972**  
**SGCC-339 2-74**


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

**LAMINATED**  
**SAFETY GLASS**  
**D.G.C.**  
7/32U  
**A.S.I. Z97.1-1972**  
**SGCC-147**

Double Seal Glass Company, Inc.  
610 South Dexter Street  
Flint, Michigan 48506

**DOUBLE SEAL PLASTIC**  
**SAFE-T-GLASS**  
**ANSI Z97.1 - 1972**  
**SGCC-324 3/16 U**

Dura Vue Industries, Inc.  
1515 West 35 Street  
Chicago, Illinois 60609

**DURA VUE**   
**TEMPERED**  
**SAFETY GLASS**  
**ANSI Z97.1-1972**  
**SGCC-262 3/16"U**

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

**FALCONER**  
  
**TEMPERED**  
**DURASAFE**  
**SAFETY GLASS**  
**SGCC-307 3/16" 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 3/16U 064**

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Flex-O-Glass, Inc.  
1100 North Cicero Avenue  
Chicago, Illinois 60651

*Warpz*  
FLEX - O - GLAZE T.M.  
SGCC - 118  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1 - 1972 100 U  
WARP BROS CHGO 60651


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

  
FORD TEMPERED  
SAFETY GLASS  
ANSI Z97.1-1972  
SGCC 361 1/8 U  
4E

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

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

General Electric Company  
1 Plastics Avenue  
Pittsfield, Massachusetts 01201

  
LEXAN® SHEET  
SAFETY GLAZING  
ANSI Z97.1 — .1966/72 - .080u  
SGCC - 366

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

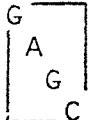
Tentative label  
GLADWIN  
Polystyrene  
Indoor Use Only  
SGCC-420 090U

S. A. Glaverbel  
c/o Veerman International Company  
41 East 42 Street  
New York, New York 10017

**Glaverbel**  
GR-tempered  $\frac{3}{16}$ "  
ANSI Z97.1-1972 188 U  
SGCC-16

LAMINATED SAFETY GLASS

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

SGCC-327  145 L

ANSI Z97.1-1972

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

  
**GUARDIAN**  
SAFEGLAZE  
TEMPERED SAFETY  
ANSI-Z 97.1-1972  
SGCC-160 3/8U

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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**

Intercosmic Plastics  
Division of ICP Industries, Inc.  
7410 N. E. Third Court  
Miami, Florida 33138

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

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

 **TUF-FLEX®**  
**TEMPERED SAFETY GLASS**  
**ANSI Z97.1-1972 3/16"-U**  
**SGCC-361**

Laminated Glass Corporation  
9797 Erwin Avenue  
Detroit, Michigan 48213

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

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

 **TUF-FLEX®**  
**TEMPERED SAFETY GLASS**  
**ANSI Z97.1-1972 3/16"-U**  
**SGCC-20**

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**

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Nippon Sheet Glass Company, Ltd.  
c/o Orient Glass Company  
615 South Flower Street  
Los Angeles, California 90017

TEMPERED SAFETY GLASS  
ANSI Z97.1-1972  
SGCC-198 3/16-U  
NSG

Ohio Plate Glass Company  
Box 671  
Lewisburg, Ohio 45338

SAFETY  
TEMPERED  
3/16"-U SGCC  
OHIO 1135  
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

Pacific Tempered Glass Corporation  
P. O. Box 307  
10500 Ridder Road  
Wilsonville, Oregon 97070

PTG SAF-T-LITE  
TEMPERED SAFETY GLASS  
ANSI Z97.1 1972 1/4U  
SGCC 388

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

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

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



EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Rohm and 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 SGCC-120  
090 U

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

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

Saint Gobain  
c/o Euroglass Corporation  
551 Fifth Avenue  
New York, New York 10017

SAINT-GOBAIN  
SGCC-81 3/16" U-  
D U R F L E X  
ANSI Z97.1-1972

Sheffield Plastics, Inc.  
Salisbury Road  
Sheffield, Massachusetts 01257

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

Societa Italiano Vetro S. P. A.  
c/o Interglass Corporation  
240-28 Bayview Avenue  
Douglas Manor, New York 11363

Tentative label  
TITANGLASS  
Tempered Safety Glass  
ANSI Z97.1-1972  
SGCC-423 1/4 U

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

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

SOPLASCO  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1-1972  
SGCC-162 .080U

T-O-W Industries, Inc.  
6166 South Sayre Avenue  
Chicago, Illinois 60638

T  
E  
M  
P  
E  
R  
I  
T  
E



INDUSTRIES  
ANSI Z97.1-1972  
SGCC-243 1/4" U

Taiwan Glass Corporation  
10500 Ridder Road  
Wilsonville, Oregon 97070



T G C    TEMPERLITE  
ANSI Z97.1-1972 3/16 U  
SGCC-177

Taylor Products, Inc.  
Laura Avenue  
Payne, Ohio 45880



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

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

VINYLEX  
LAMINATED  
ANSI Z97.1 1972  
SGCC 269 250 U

Tuf-flex Glass, Inc.  
305 Busseron Street  
Vincennes, Indiana 47591

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

EXAMPLE OF PARTICIPANT'S TYPICAL LABEL

Tyneside Safety Glass Company, Limited  
Team Valley Trading Estate  
Gateshead on Tyne  
England



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



SGCC-252, 188U

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

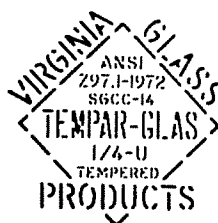


7/32"U SGCC-37  
tempered glass  
ANSI Z97.1-1972

Viracon, Inc.  
800 Park Drive  
Owatonna, Minnesota 55060

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

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



Visador Company  
940 Visador Road  
Jasper, Texas 75951

**Safe-T-Coat**  
ANSI Z 97.1 - 1972  
SGCC - 239 1/8-U  
Visador

Windor Industries, Inc.  
P. O. Box 20715  
1980 California Crossing  
Dallas, Texas 75220

TEMPERED  
SAFETY GLASS  
**WINDOR**  
ANSI Z97.1-1972  
SGCC 367

# ROSTER

June, 1974

## BOARD OF DIRECTORS

### Representing Public Interest

Phil Dykstra, National Safety Council  
Richard C. Elstner, Wiss, Janney and Elstner  
Thomas Hollander, Evans, Ivory and Evans  
Francis J. LaPallo, Consumer Product Safety Comm.  
Frederick J. McGarry, Mass. Institute of Tech.  
Lynford K. Snell, Federal Housing Administration

### Representing Industry

Norman Nitschke, Glasstech, Inc.  
Thomas C. Carson, ASG Industries  
Orville L. Pierson, Rohm and Haas  
Joseph L. Solomon, Glass Guard  
Caryl E. Twitchell, Three M Company  
Donald J. Vild, L-O-F Co., LOF Glass

## SGCC OFFICERS

Norman Nitschke, President, Chairman  
Henry E. Walker, Vice President  
Orville L. Pierson, Vice President  
Donald J. Vild, Vice President  
Richard E. Elstner, Secretary  
Thomas C. Carson, Treasurer

## SGCC CERTIFICATION COMMITTEE

Robert L. Brown, Chairman  
Homer H. Goldsberry, Vice Chairman

### Participants with certified items:

Participant	Primary Member	First Alternate	Second Alternate
ASG Industries	Thomas C. Carson	A. H. Agett	W. H. Beazell
American Cyanamid	H. Patrick Toner	C. S. Herman	John Lindsay
Asahi	Paul F. Burnham, Jr.	Edward Sobczyk	
M. L. Burke Company	Maurice L. Burke	Gennaro J. Catalano	
C-E Glass	Frank L. McGeary	James Smith	
Canadian Pittsburgh	J. M. Peeters	F. T. Barker	Richard T. McGuire
Chromalloy-Safetee	Earle D. Moiles	Ernest Pescatore	
Dearborn Glass	Joseph W. Falls	Herman R. Paulick	
Double Seal Glass	E. C. Mogford, Jr.		
Dura Vue	A. Bienenfeld	Marvin Rothman	D. Crowell
		Third Alternate	J. Arford
Falconer Plate Glass	Richard E. Turner		
Feather-lite	Avery C. Fried		
Flex-O-Glass	Harold G. Warp		
Ford Motor Company	Richard L. Morrison	Delbert Christensen	
Fourco Glass Company	John Linder	E. L. Henrickson	
General Electric	Glen A. Cesario	Frank James	
Glass Guard	Joseph L. Solomon		
S. A. Glaverbel	Jack A. Veerman		
Globe-Amerada	Richard R. Miller	J. V. Snyder	
Guardian	Pieter Knorr	Robert Hayes	George Nelson
Hamilton of Indiana	Gary L. Tate	Ronald Purdue	
K-S-H, Inc.	William W. Korn	L. James Horvath	
Laminated Glass	Martin W. Lerner	F. J. Diemer	Robert P. Lerner
LOF Glass	Donald J. Vild	Gale R. Heise	John C. Morgan
Libbey-Owens-Ford	Donald J. Vild	Gale R. Heise	John C. Morgan
Ohio Plate Glass	W. Gene Gilbert	James C. Clark	
PPG Industries	Richard T. McGuire	Frederick S. Deans	Robert W. McKinley
Pacific Tempered Glass	P. C. Lin		
Paulding Glass	George Rhonehouse, Sr.	George Rhonehouse, Jr.	Donald E. Rhonehouse
Plaskolite	Homer H. Goldsberry	Robert Yeoman	Harley Thomas
Rohm and Haas	Orville L. Pierson	A. J. Bartosic	T. C. Tjader
Rowland Products	Richard E. Ostrop		
Safelite	David R. Jones	Homer Lewis	
Saint Gobain	Michel Duchene	Bernard Masquelier	Michel Makarovsky
Sheffield Plastics	Thomas Kradel	Bernard W. Brooks	
Southern Plastics	D. W. Weber	L. Drozeski, Jr.	William H. Schneider
T-O-W Industries	H. L. Wright	Richard Malmgren	
Tempered Glass	Paul F. Tumey	Richard E. Elvin	Jerry Bienenfeld
Tudor Safety Glass	Peter Fineman	Geoffrey Barrett	
Tuf-flex Glass	Bernard Nathan	Joseph O. Kramer	Donald J. Vild
Viracon	Harold Landsman	W. F. Grafton	
Virginia Glass	Robert L. Brown	Brooks R. Leavitt	A. P. Stillman
Visador	James Seale	Gerald L. Reynolds	
Windor	Bob Holland	S. A. Watson	Dave Nickel

### Members from those without certified products:

Du Pont George L. Graf, Jr.  
Mobay J. M. Rich  
Three M Company Caryl E. Twitchell

Robert B. Rector  
L. Gable  
Louis F. Masonick G. A. Berger

### Members by virtue of being a director:

National Safety Council  
Wiss, Janney and Elstner  
Evans, Ivory and Evans  
Consumer Product Safety Commission  
Massachusetts Institute of Technology  
Federal Housing Administration  
Glasstech, Inc.  
ASG Industries  
Rohm and Haas  
Glass Guard  
Three M Company  
Libbey-Owens-Ford Company; LOF Glass

Phil Dykstra  
Richard C. Elstner  
Thomas Hollander  
Francis J. LaPallo  
Frederick J. McGarry  
Lynford K. Snell  
Norman Nitschke  
Thomas C. Carson  
Orville L. Pierson  
Joseph L. Solomon  
Caryl E. Twitchell  
Donald J. Vild

### SGCC Certification Program Administrator:

Robert A. Nance, CSC, Administrator  
Carl R. Walden, CSC, Assistant Administrator

Auditor:  
Legal Counsel:

Joseph B. Press, CPA  
Samuel Steen, Esquire

## 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" 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 Safety 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 \$150 per man day *plus* the reasonable costs of travel and the maintenance entailed in resolving such incidents. Refunds of part or all of the surety deposit will be made when applicable. All costs involved will be paid from the complaintant's surety deposit, *unless* the investigation proves non-compliance, *in which case all costs will be borne by the participant found to be in non-compliance.*

#### *Withdrawal of Certified Product*

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

### COSTS

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

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

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

#### Program Costs:

\$402.50 per six months for the first product at a plant.

\$102.50 per six months for each additional product at the same plant.

#### Distribution of Fees:

\$15.00 per six months from each product to SGCC for administrative expenses.

\$387.50 per six months from the first product at each plant to CSC.

\$87.50 per six months from each additional product at the same plant to CSC.

### 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 Ammendments 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 sucessive,

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

*SGCC Certification Committee*  
Mr. Robert L. Brown, Chairman  
Virginia Glass Products Corporation  
P. O. Box 5431  
Martinsville, Virginia 24112  
Phone: 703-956-3131

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

## 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., Twining 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 insulating 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 label as failure of the said specimen to comply with the Specifications.
- 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 routine evaluation samples fail to comply with the Specifications:  
a) Written notice is sent to the participant by the administrator that within 30 days participant must submit samples to the administrator. Written notice of removal of certification is issued to the participant by the administrator if the samples are not received within the allotted 30 days or if the samples submitted fail 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 at least twice a year). The costs involved shall be paid by the participant.
- c) The administrator shall be certain that the sample obtained in b) above is of recent production.
- d) Certification shall be removed if the additional random sample obtained in b) above fails to comply with the Specifications.

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 SGCC Certified Products Directory shall be reissued and distributed every six months (about January 1 and July 1) or more often: 1) at the request of the majority of the Certification Committee, 2) at the request of an individual participant, or 3) at the direction of the Board of Directors. When an individual participant requests the additional mailing, he will be charged the entire cost. Distribution at present is to all FHA field offices and all AAMA member companies. Each participant is requested to submit additional names for mailing.

- 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 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 shut-down period. This shall be done as follows:
1. Prior to or within 2 weeks, after the shut down 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 preceding 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.
- 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.

#### Interim Guideline

P.6 SGCC shall use as an interim guideline a chamois skin cover in lieu of the required terry cloth on the impactor as an aid in interpretation of break patterns of plastics. Occurrence of less than four perforations of the chamois skin shall indicate satisfactory compliance of the test (Section 4.1 of ANSI Z97.1-1972). This guideline to be used no later than December 31, 1974.

#### 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.

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.

### PLASTIC COATED ANNEALED GLASS

- AG.1 Thickness of the applied plastic coating shall be measured by the SGCC standard method.

**CONSUMER  
SAFETY  
GLAZING  
COMMITTEE**

825 Hylton Road, Pennsauken, N.J. 08110 ■ Area Code 609/662-0400



December 28, 1973

**SPONSORING ORGANIZATIONS:**

International Brotherhood of  
Painters and Allied Trades, AFL-CIO

Flat Glass Marketing Association

National Glass Dealers Association

PPG Industries, Inc.

Architectural Aluminum  
Manufacturers Association

Glass Tempering Association

Home Conference-  
National Safety Council

National Woodwork Manufacturers  
Association, Inc.

ASG Industries, Inc.

Libbey-Owens-Ford Company

Rohm and Haas Company

C-E Glass Company

Globe-Amerada Glass Company

Bureau of Community  
Environmental Management (Injury  
Control), U.S. Public Health Service

Mobay Chemical Company

National Sash and  
Door Jobbers Association

Fourco Glass Company

Sealed Insulating Glass  
Manufacturers Association

General Electric Company  
Plastics Department

U.S. Plywood—Champion Papers

Solar Control Products Corporation

J. W. Carroll and Sons

Bureau of Product Safety,  
Food and Drug Administration

Door Lite Producers Association

Guardian Industries Corp.

Windor Industries

Visador Company

Monsanto Chemical Co.

**CONSUMER SAFETY GLAZING COMMITTEE**  
**STATUS REPORT**

By William J. Birch

**A. MODEL BUILDING CODES**

The Southern Standard Building Code, the Basic Building Code, and the Uniform Building Code have adopted upgraded glass safety requirements; and these appear in the 1969 or 1970 editions of the respective codes.

**B. ONE AND TWO FAMILY DWELLING CODE**

This is a model building code, specifically for one and two family dwellings, developed by a joint effort of all three of the model building codes and the American Insurance Association.

A section on glass, including a section on safety glazing in areas subject to accidental human impact, is included.

**C. STATE BUILDING CODES**

**1. Mandatory State Codes\***

Seven states have mandatory state codes: Indiana, North Carolina, Ohio, Minnesota, Wisconsin, California and Connecticut. All except Wisconsin include upgraded safety glazing requirements in their codes.

Wisconsin is in the process of upgrading its codes.

**2. Special State Regulations**

New York has adopted Rule No. 47 relating to "Transparent Glass Doors in Mercantile Establishments and in Public and Commercial Buildings and Structures".

Maryland has adopted Regulations 43HO4 relating to "Transparent Glass Doors in Mercantile Establishments and in Public and Commercial Buildings and Structures".

\*Building Codes: Report of Advisory Commission on Inter-governmental Relations - January 1966.

#### D. SAFETY GLAZING LEGISLATION

- Arkansas - Senate Bill No. 34 became law. Effective date Jan. 1, 1974.
- California - Assembly Bill No. 399 became law. Effective date Nov. 1970. This was amended by Senate Bill No. 601 which became effective Nov. 1971.
- Colorado - House Bill 1110 became law. Effective date July 1, 1971.
- Connecticut - Bill No. 8501 became law. Effective date October 1, 1973.
- Delaware - Senate Bill No. 23 became law. Effective date Jan. 1, 1972.
- Florida - House Bill No. 214 became law. Effective July 1, 1969. An amended version, Senate Bill No. 417, was passed by the legislature and became effective July 1, 1970.
- Georgia - House Bill 412 became law. Effective date July 1, 1970.
- Hawaii - House Bill No. 379 became law. Effective date May 28, 1971.
- Illinois - Senate Bill No. 101 became law. Effective date Jan. 1, 1972. House Bill No. 4104 became law in June 1972. Changes effective date of SB.101 to Jan. 1, 1973.
- Kentucky - House Bill 353 became law. Effective date Jan. 1, 1971.
- Louisiana - Senate Bill No. 460 became law. Effective date Jan. 1, 1973.
- Maryland - House Bill No. 7 became law. Effective date July 1, 1973.
- Massachusetts - Senate Bill No. 1401 became law. Effective date April 1, 1972. House Bill 5324 became law, changing effective date of SB. 1401 to January 1, 1973.
- Michigan - House Bill No. 5740 became law. Effective date July 1, 1973.
- New Jersey - Assembly Bill No. 496 became law. Effective date March 28, 1972.
- New York - Assembly Bill 11456 - Senate Bill 9580 became law. Effective date July 1, 1973.
- Ohio - House Bill No. 9 became law. Effective date July 1, 1972. House Bill No. 1172 became law, changing effective date of HB.9 to Jan. 1, 1973.
- Oklahoma - House Bill No. 1350 became law. Effective date Jan. 1, 1972.
- Oregon - House Bill 1771, and the regulations developed by the Public Health Department, became law effective July 1, 1970.
- Pennsylvania - Senate Bill No. 29 became law. Effective date Jan. 1, 1972.
- Rhode Island - House Bill 5030 became law. Effective date July 8, 1973.
- South Carolina - House Bill 1433 became law. Effective date Jan. 1, 1974.
- Tennessee - Senate Bill No. 178 became law. Effective date Jan. 1, 1972.
- Virginia - Senate Bill No. 656 became law. Effective date Jan. 1, 1974.
- Washington - House Bill No. 137 became law. Effective date Jan. 1, 1974.
- West Virginia - House Bill No. 504 became law. Effective date July 1, 1971.

#### LEGISLATIVE SESSIONS

- Alabama - Bill drafted.
- Arizona - House Bill No. 2161 became law. Effective date July 1, 1974.
- Iowa - Bill drafted.
- Kansas - Senate Bill No. 332 passed by Senate. In House Committee.
- Minnesota - House Bill No. 874 passed and Senate Bill No. 1051 in Committee.
- Missouri - Bill has been prefiled for this session.
- Nebraska - Bill will be introduced this session.
- New Hampshire - Bill in Senate Committee.
- South Dakota - Senate Bill No. 53 became law. Effective date July 1, 1974.
- Texas - Senate Bill No. 688 and House Bill No. 674 in Committee.
- Wisconsin - Senate Bill No. 344 in Senate Committee.

E. FHA MINIMUM PROPERTY STANDARDS

In July 1969, FHA issued Interim Revision No. 45 revising those sections of the Minimum Property Standards for 1 and 2 Family Dwellings dealing with the glazing requirements for sliding glass doors, storm doors, tub enclosures and shower doors and fixed-glazed panels adjacent to entrance or exit doors.

Also issued was Revision No. M-13. This revision imposed in Multi-family Housing the same requirements that Revision No. 45 requires for 1 and 2 Family Dwellings.

The two revisions require use of only safety glazing material in all sliding glass doors, tub enclosures and shower doors. Safety glazing materials must also be used in storm doors and those fixed panels adjacent to entrance doors unless the glazing is protected by substantial grilles on both sides up to a height of 42 inches from the floor level.

These FHA requirements also apply to a new public housing and housing built with VA and Farmers Home Administration Financing.

F. MOBILE HOME STANDARDS

The American National Standard ANSI-A119.1, sponsored by the Mobile Home Manufacturers Association, has been adopted by 35 states through legislative enactment. Thus, these states have adopted this ANSI Standard as the code for mobile homes.

The current edition, ANSI A119.1971, of this Standard, incorporates safety glazing requirements for glazing in "hazardous locations".

\* \* \* \* \*

SGCC APPROVED TESTING LABORATORIES

Approved Engineering Test Laboratories; 1431 Potrero Avenue; South El Monte, California 91733  
Attention: Mr. Joseph E. Hawkins; Telephone: (213) 283-8465

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

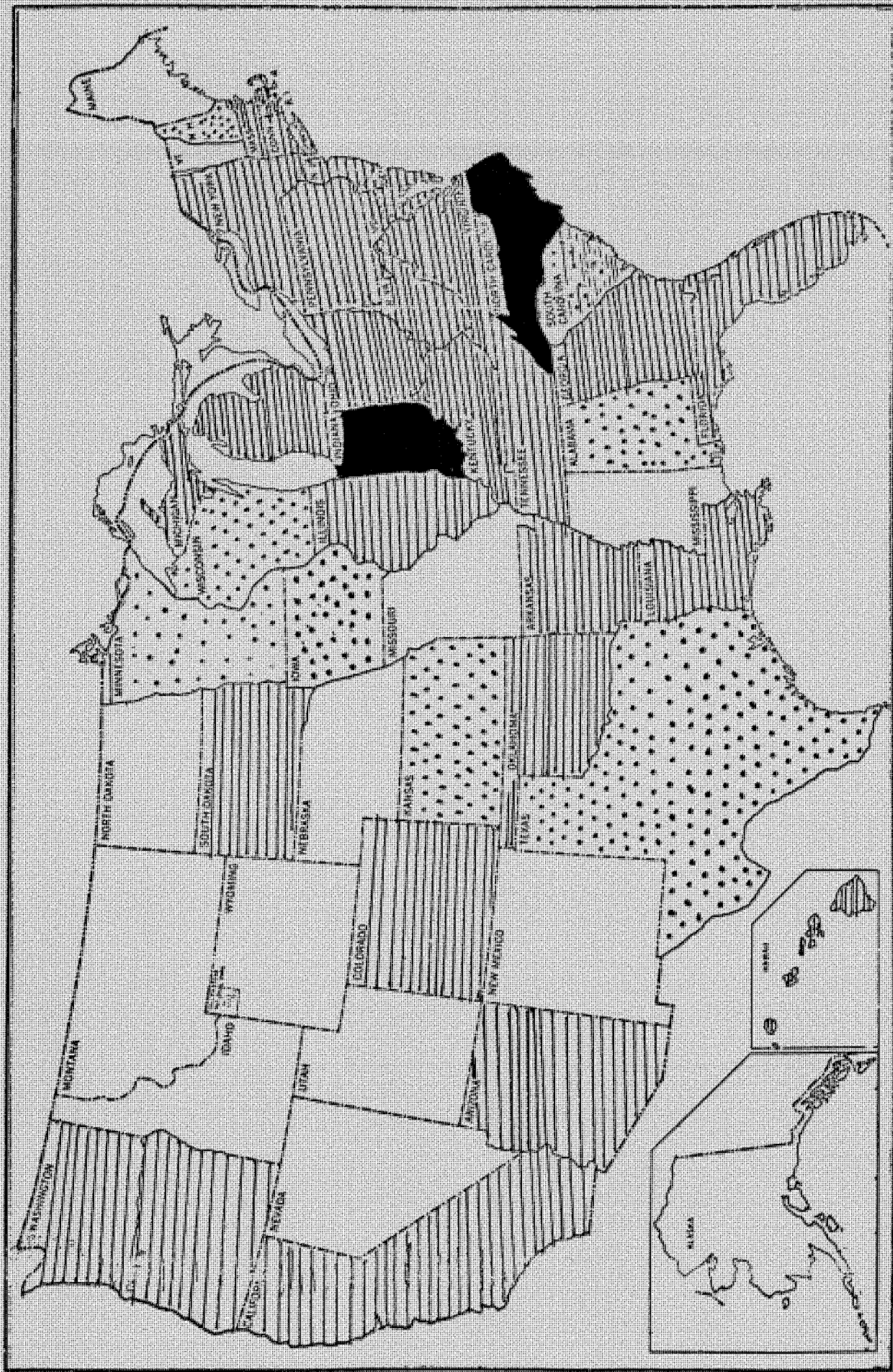
Electrical Testing Laboratories, Inc.; 2 East End Avenue; New York, New York 10021  
Attention: Mr. Claude F. Robb; Telephone: (212) 288-2600

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



SAFETY GLAZING LAWS PASSED

SAFETY GLAZING LAWS PENDING

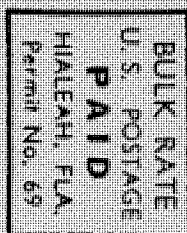
SAFETY GLAZING IN MANDATORY STATE BUILDING CODES





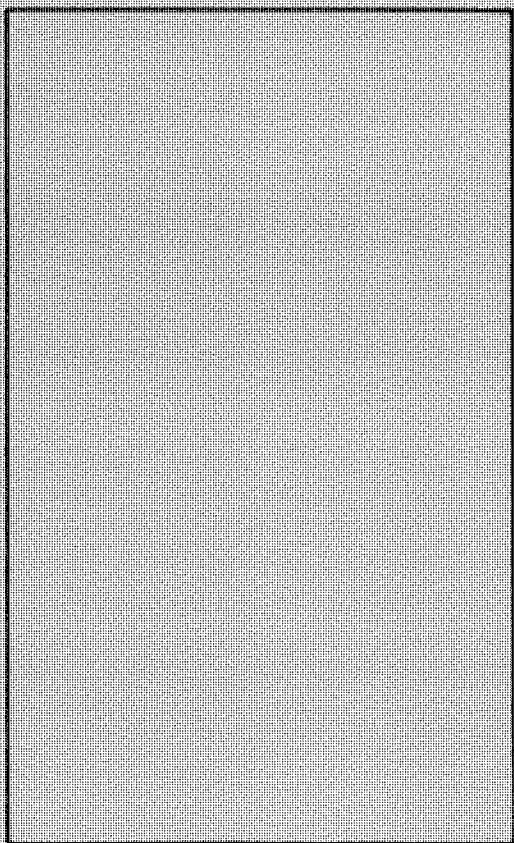
safety glazing certification council

1640 west 32 place  
hialeah, florida 33012



**THIRD CLASS MAIL**

to



ADDRESS CORRECTION REQUESTED

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