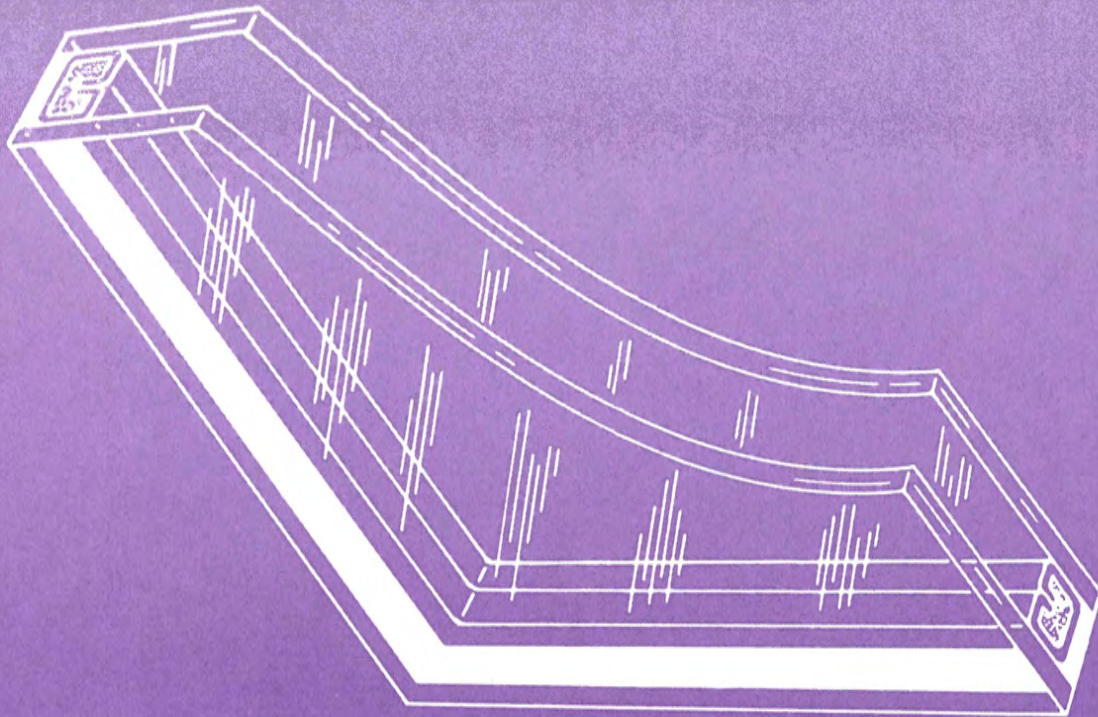


CERTIFIED PRODUCTS DIRECTORY

SEALED INSULATING GLASS

AUGUST 1, 1994



INSULATING GLASS

IGCC®

CERTIFICATION COUNCIL

CREDIBILITY IN INDUSTRY CERTIFICATION THROUGH ACTIVE PUBLIC PARTICIPATION

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PROGRAM CONCEPT

Manufacturers of sealed insulating glass units, consumers, specifiers, and others who are responsible for or concerned with the quality and performance of products purchased in the public interest, recognizing a need for a sound product testing and performance certification program, have jointly established the Insulating Glass Certification Council (IGCC). All IGCC Meetings are open to the public and public participation is encouraged.

IGCC is a nonprofit organization which sponsors and directs a program of periodic accelerated laboratory testing and unannounced plant inspections to insure continuing product performance through specified standards. The testing specifications used are outlined in "ASTM Specification E774-88 for Sealed Insulating Glass." This specification basically classifies sealed units into three categories; C, B, or A, depending upon durability in the accelerated testing. It is the policy of IGCC to remain flexible in referencing specifications and test methods in order to best reflect changing technology and new developments.

IGCC's responsibilities through its administrator are to see that periodic inspections and independent laboratory tests are performed on participating manufacturers' products and to validate the right of that manufacturer to use the IGCC label on his product or product information claims.

Management and control of the program is vested in a Board of Governors made up equally of industry and public interest members. The public interest representatives are empowered with 50 percent of the voting rights, and can veto any action, regardless of the number present at a meeting. This insures against industry dominance of IGCC action.

The program is under the supervision of a qualified administrator who is not affiliated with any manufacturer of insulating glass, material supplier, or participating testing laboratory, and is hired by and responsible to the Insulating Glass Certification Council. The manufacturers of the products listed herein have certified that the labeled materials comply with the performance characteristics established by ASTM E774-88. The compliance of the manufacturers with the requirements of that specification is validated periodically by the IGCC administrator through inspections and testing by an independent testing laboratory under his direction.

Every manufacturer of insulating glass is eligible and encouraged to apply for the right to use the IGCC label. However, permission to use the label is not granted until an independent laboratory test verifies compliance with the requirements. Once all requirements have been met, each product is assigned an IGCC number to identify the product, performance class, and the factory in which it is made. Throughout the year, IGCC requires the manufacturer to certify that the labels are being used only on units that are produced in the same manner and with the same materials as the tested specimens. Based upon these declarations, IGCC authorizes continued use of the IGCC label and the product listing published in this directory.

The Insulating Glass Certification Council wishes to recognize the substantial contributions made by the Safety Glazing Certification Council; the Sealed Insulating Glass Manufacturers Association, American Society for Testing and Materials, The National Bureau of Standards, FHA, HUD, Public Interest Persons, the Industry, and particularly consumers. Without input from such a broad cross-section, this program would not be possible.

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
ACI Glass Products 12900 Nicholson Rd PO Box 815547 Dallas TX 75381-5547 214-484-3691 ACI 141 IGCC® CBA '94	IGCC-703 IGCC-1106	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/S PIB/HMB
ACI Glass Products 2765 Lafayette St Santa Clara CA 95050 408-727-5432 ACI NORTH IGCC® CBA '94	IGCC-952	CBA	NYK	U	AA	MS PIB/S
ACI Glass Products 3225 S 116th Ste 133 Seattle WA 98168 206-244-0727 ACI 147 IGCC® CBA '94	IGCC-975 IGCC-1118	CBA CBA	NYK PLK	SCF U	ST GS	MS/SG MS/SG PU PU
Acorn Window Systems Inc 42 Cole St Quincy MI 49082 517-639-8731	IGCC-1145	CBA	NYK	U	AA	MS MPS
AFG Glass Inc 75 Doney Crescent Concord, Ontario L4K 1P6 CANADA 416-669-1930 AFG TOR SEALITE IGCC® CBA '94	IGCC-679	CBA	BC/ALJ/L	U/C	MA	MS PIB/S
Alpen Inc 5400 Spine Rd Boulder CO 80301 303-530-1150 ALP IGCC® CBA '94	IGCC-880	CBA	BC/PLK	SCF	ST	MS/SG PU
Alside Window Co-Midwest 3820 44th Ave S W Cedar Rapids IA 52401 319-390-4237 AWCMW IGCC® CBA '94	IGCC-1133	CBA	BC/NK	U	TPS	DM HMB
Alside Window Co S E 3800 Farmgate Rd Kinston NC 28501 919-527-5050 AWCSE IGCC® CBA '94	IGCC-1148	CBA	NYK	U	TPS	DM HMB

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
American Flat Glass Dist 1201 Hwy 67 E Alvarado TX 76009 817-477-1144 AFGD 24 IGCC® CBA '94	IGCC-1025	CBA	NYK	U	AA	MS PIB/MPS
American Flat Glass Dist 3950 Ball St Birmingham AL 35234 205-841-6785 AFGD 03 IGCC® CBA '94	IGCC-951	CBA	NYK	U	AA	MS MPS
American Flat Glass Dist 4905 Lima St Denver CO 80239 303-371-1151 AFGD 21 IGCC® CBA '94	IGCC-1021	CBA	NYK	U	AA	MS PIB/HMB
American Flat Glass Dist 575 Currant Rd Fall River MA 02720 508-675-9220 AFGD 7 IGCC® CBA '94	IGCC-1022 IGCC-1110 IGCC-1156	CBA CBA CBA	NYK NYK NYK	U U U	AA AA AA	MS MS MS MPS PIB/MPS PIB/S
American Flat Glass Dist 4520 Willow Pkwy Cuyahoga Heights OH 44125 216-341-2110 AFGD 2 IGCC® CBA '94	IGCC-625 IGCC-797 IGCC-798	CBA CB CBA	NYK NYK NYK	U U U	MA AA AA	MS MS MS PIB/S MPS PIB/MPS
American Flat Glass Dist 9288 Sutton P1 Hamilton OH 45011 513-874-5772 AFGD 06 IGCC® CBA '94	IGCC-854 IGCC-1155	CBA CBA	NYK NYK	U U	AA AA	MS MS PS PIB/PS
American Flat Glass Dist 3200 Austell Rd Marietta GA 30060 404-434-2041 AFGD 1 IGCC® CBA '94	IGCC-141 IGCC-687 IGCC-808	CBA CBA CBA	NYK NYK NYK	U U U	AA AA AA	MS MS MS MPS PIB/MPS PIB/S
American Flat Glass Dist 6600 Suemac P1 Jacksonville FL 32254-2792 904-786-6611 AFGD 02 IGCC® CBA '94	IGCC-853	CBA	NYK	U	AA	MS MPS

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
American Flat Glass Dist 2341 Beaver Creek Dr Powell TN 37849 615-938-2020 AFGD 05 IGCC® CBA '94	IGCC-819	CBA	NYK	U	AA	MS MPS
American Flat Glass Dist 6200 Gorman Rd Richmond VA 23231 804-222-0120 AFGD 10 IGCC® CBA '94	IGCC-957 IGCC-1085	CBA CBA	NYK NYK	U U	AA AA	MS MS MPS PIB/MPS
American Flat Glass Dist 803 Prestige Pkwy Scotia NY 12302 518-374-3812 AFGD 09 IGCC® CBA '94	IGCC-861 IGCC-1142	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/MPS MPS
Artistic Glass Products Co 2175 Kumry Rd PO Box 70 Trumbauersville PA 18970 215-536-0333 AGP IGCC® CBA '94	IGCC-1040	CBA	BC/NK	U	BSS	- BSS/S
Assurance Glass Co Selfield Ind Pk PO Box 1452 Selma AL 36702 205-875-1900 AG IGCC® CBA '94	IGCC-420	CBA	NYK	U	MA	MS/SG PIB/PS
B & G Glass & Mirror Co Inc 11866 Hubbard Livonia MI 48150 313-522-0300 B&G IGCC® CBA '94	IGCC-466 IGCC-467	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/MPS PIB/S
J E Berkowitz Inc Route 47 Westville NJ 08093 609-456-7800 JEB IGCC® CBA '94	IGCC-352 IGCC-1052 IGCC-1138	CBA CBA CBA	NYK NYK BC/WL	U U U	AA AA AA	MS MS MS PIB/MPS PIB/S PIB/S
Better Thermo Unit 2+2 1530 Landmeier Rd PO Box 1446 Elk Grove Village IL 60007 708-593-2980 BTUM IGCC® CBA '94	IGCC-1139 IGCC-1140 IGCC-164	CBA CBA CBA	BC/WL NYK ALK/S	U U U	AA AA MA	MS MS MS/SG PIB/PS PIB/PS

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Capitol Aluminum & Glass Corp 1276 W Main St Bellevue OH 44811 419-483-7050 CAG-HM IGCC® CBA '94	IGCC-884	CBA	NYK	SCF	GS	MS PU
Capitol Glass & Aluminum Corp 8017 Edith Blvd Albuquerque NM 87113 505-898-1460 CGAC-A IGCC® CBA '94	IGCC-956	CBA	NYK	U	MA	MS/SG PIB/MPS
Capitol Glass & Aluminum Corp 3515 S 300 W Salt Lake City UT 84115 801-268-2521 CGAC IGCC® CBA '94	IGCC-1132	CBA	BC/PLK	U	AA	MS/SG PIB/MPS
Cardinal IG Iowa 25 N PO Box 99 Greenfield IA 50849 515-343-7113 CARDINAL 2 IGCC® CBA '94	IGCC-311 IGCC-1030	CBA CBA	BC/ALK/S/AP BC/PLK	U/C U	MA SS/AP	MS MS/SG PIB/S PIB/S
or CIG 2 IGCC® CBA '94						
Cardinal IG 7115 W Lake St Minneapolis MN 55426 612-929-0317 CARDINAL 1 IGCC® CBA '94	IGCC-244 IGCC-1033 IGCC-1157	CBA CBA CBA	BC/ALK/S/AP BC/PLK PLK/AP	U/C U U	MA SS/AP MA	MS MS MS PIB/S PIB/S PIB/S
or CIG 1 IGCC® CBA '94						
Cardinal IG 1011 E Madison St Spring Green WI 53588 608-588-7415 CARDINAL 3 IGCC® CBA '94	IGCC-324 IGCC-1036	CBA CBA	BC/ALK/S/AP BC/PLK	U/C U	MA SS/AP	MS MS/SG PIB/S PIB/S
or CIG 3 IGCC® CBA '94						
Cardinal IG 1620 Town Line Rd Tomah WI 54660 608-372-3300 CARDINAL 4 IGCC® CBA '94	IGCC-756 IGCC-1039	CBA CBA	BC/ALK/S/AP BC/PLK	U U	MA SS/AP	MS MS PIB/S PIB/S
or CIG 4 IGCC® CBA '94						

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Classic Glass of Battle Creek Inc 21472 M-37 Battle Creek MI 49017 616-968-2711 CLASSIC GLASS IGCC® CBA '94	IGCC-1004 CBA IGCC-1010 CBA	NYK NYK	U U	AA/AP AA/AP	MS MS	PIB/PS PIB/S
Croft Metals Inc Hwy 71 PO Drawer 90 Lumber Bridge NC 28357 919-843-3391 CMI 92-2 IGCC® CBA '94	IGCC-818 CBA IGCC-1069 CBA	NYK BC/NK	U U	AA BSS	MS -	HMB BSS
Croft Metals Inc PO Box 826 McComb MS 39648 601-783-3188 CMI 92-1 IGCC® CBA '94	IGCC-727 CBA IGCC-1131 CBA	NYK BC/NK	U U	AA BSS	MS -	HMB BSS
Crystal Windows & Doors Inc 131-40 Maple Ave Flushing NY 11355 718-961-7300 CRYSTAL W & D IGCC® CBA '94	IGCC-1062 CBA	NYK	U	AA	MS	MPS
Curved Glass Distributors 72 Chappel St Derby CT 06418 203-735-4665 CGD IGCC® CBA '94	IGCC-1063 CBA	NYK	U	AA	MS	PIB/PU
Custom Glass Products Inc 5906 Mesker St PO Box 590 Schofield WI 54476 715-359-2252 CGP IGCC® CBA '94	IGCC-745 CBA	BC/NYK/AP	U	AA	MS	PIB/PU
Custom Glass Prod of Carolina Inc 1475 Harrison Rd PO Box 2049 Salisbury NC 28144 704-633-4946 CGPC IGCC® CBA '94	IGCC-782 CBA IGCC-918 CBA	NYK BC/NYK	U U	AA AA	MS MS	PU PIB/PU
DeLuxe Insulated Glass Inc 4375 N Sellers St Indianapolis IN 46226 317-547-3564 IGOI IGCC® CBA '94	IGCC-1016 CBA	NYK	U	AA	MS	PIB/PS

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Dykstra Brothers Glass Co 4257 30th St Burnips MI 49314 616-896-8341 DYK IGCC® CBA '94	IGCC-729 IGCC-732	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/PS PIB/S
Ecker Manufacturing Corp 4055 10th Ave New York NY 10034 212-304-1300 ECKER IGCC® CBA '94	IGCC-889	CBA	NYK	U	AA	MS PU
Edge Seal Technologies Inc 1 Industrial Dr Bedford OH 44146 216-439-0980 EST IGCC® CBA '94	IGCC-1086	CBA	BC/NK	U	TPS/AP	DM HMB
Floral Glass Ind Inc 224 Sandbank Rd PO Box 882 Cheshire CT 06410 203-272-2211 INSULA 2 IGCC® CBA '94	IGCC-801	CBA	NYK/AP	U	MA/AP	MS PIB/S
Floral Glass & Mirror Inc 895 Motor Pkwy Hauppauge NY 11787 516-234-2200 INSULA 1 IGCC® CBA '94	IGCC-881	CBA	BC/NK/W	U	MA	MS PIB/S
Flower City Glass Co 4 Alexander St Rochester NY 14620 716-546-8646 FLOWER CITY GLASS IGCC® CBA '94	IGCC-992 IGCC-1127	CBA CBA	NYK NYK	U/C U/C	AA AA	MS MS PIB/S PS
Four Seasons Solar Products Corp 5005 Veterans Memorial Hwy Holbrook NY 11741 516-563-4000 FSSP IGCC® CBA '94	IGCC-968	CBA	NYK	SCF	GS	MS PU
Galaxy Mfg Co of CNY Inc 109 Monarch Dr Liverpool NY 13088 315-451-5353 GALAXY IGCC® CBA '94	IGCC-691	CBA	NYK	U/C	AA	MS PU

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant	
Glasmont Corp 8111 Zionsville Rd P O Box 68596 Indianapolis IN 46268 317-876-1155 GC IGCC® CBA '94	IGCC-653 IGCC-916 IGCC-917	CBA CBA CBA	NYK NYK NYK	U U U	MA MA MA/AP	MS MS MS	PIB/S PU PIB/PU
Glass Dist of America Inc 2310 Sweetwater Industrial Blvd Lithia Springs GA 30057-2882 404-732-2000 GDA IGCC® CBA '94	IGCC-1143	CBA	NYK	U	AA	MS	MPS
Glass Systems Inc 21721 Republic St Oak Park MI 48237-2365 313-548-7191 GSI IGCC® CBA '94	IGCC-1090	CBA	NYK	U	AA	MS	PU
Glasstemp Inc 1001 Foster Ave Bensenville IL 60106 708-595-3750 GLASSTEMP IGCC® CBA '94	IGCC-538 IGCC-753	CBA CBA	NYK NYK	U U	MA MA	MS/SG MS/SG	PIB/MPS PIB/S
Graham Architectural Products Corp 1551 Mt Rose Ave York PA 17405 717-849-8100 GRAHAM IGCC® CBA '94	IGCC-353	CBA	NYK	U	AA	MS/SG	HMB
Guardian Fabrication Inc 1412 S First St Rogers AR 72756 501-636-0888 GRD-028 IGCC® CBA '94	IGCC-1108 IGCC-1109	CBA CBA	NYK NYK	U U	AA AA	MS MS	MPS PIB/MPS
Guardian Inds Corp Lewistown Plant One Belle Ave Lewistown PA 17044 717-242-2571 GRD-065 IGCC® CBA '94	IGCC-566 IGCC-613	CBA CBA	NYK NYK	U U	AA AA	MS MS	PIB/MPS PIB/S
Harvey Inds Inc 725 Huse Rd Manchester NH 03103 603-622-4232 H IGCC® CBA '94	IGCC-937	CBA	NYK	U	AA	MS	HMB

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Hoffer's Inc 5103 Janice Ave Schofield WI 54476 715-359-2432 H. I. IGCC® CBA '94	IGCC-899	CBA	NYK	U	MA/AP	MS PIB/PU
HGP Industries Inc 5334 Barthel Dr PO Box 130 Albertville MN 55301 612-497-3212 HGP 22 IGCC® CBA '94	IGCC-317 IGCC-360 IGCC-621	CBA CBA CBA	ALK/S ALK/S NYK	U U/C U	MA MA MA	MS MS MS PIB/PU PIB/S PIB/PU
HGP Industries Inc 1331 W Sam Houston Pkwy N Houston TX 77043 713-464-5611 HGP 65 IGCC® CBA '94	IGCC-1136 IGCC-1137	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/HMB PIB/S
HGP Industries Inc 2300 S 4th St PO Box 458 Louisville KY 40201 502-637-2022 HGP 64 IGCC® CBA '94	IGCC-1083	CBA	NYK	U	AA	MS PIB/HMB
HGP Industries Inc 1500 Glen Ave Moorestown NJ 08057 609-234-9222 HGP 12 IGCC® CBA '94	IGCC-494	CBA	NYK	U	AA	MS PIB/S
HGP Industries Inc 3404 W Papago St Phoenix AZ 85009 602-253-6980 HGP 6 IGCC® CBA '94	IGCC-1102	CBA	NYK/MB	U	AA	MS PIB/HMB
HGP Industries Inc 1900 Midland St PO Box 11339 Rock Hill SC 29731 803-366-5167 HGP 44 IGCC® CBA '94	IGCC-1105 IGCC-1167	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/MPS PIB/S
HGP Industries Inc 1548 Stone Ridge Dr Stone Mountain GA 30083 404-939-6900 HGP 42 IGCC® CBA '94	IGCC-914 IGCC-1077	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/S PIB/HMB

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
HGP Industries Inc PO Box 368 Warrenton MO 63383 314-456-3452 HGP 21 IGCC® CBA '94	IGCC-829	CBA	ALK/S	U	MA	MS PIB/S
Hurd Millwork Co 1815 Water St Merrill WI 54452 715-536-5581 HURD IGCC® CBA '94	IGCC-1011 IGCC-1013 IGCC-1014	CBA CBA CBA	NYK BC/NYK/AP NYK	U 2/SCF U	AA GS/PF/P AA	MS MS MS PU PU MPS
	IGCC-1095 IGCC-1096	CBA CBA	BC/NYK BC/NYK	2/SCF SCF	GS/PF/P GS/PF	MS MS PU PU
Indepane I G Inc PO Box 790 7447 S Sayre Ave Bedford Park IL 60499-0790 708-458-7300 IGCC® CBA '94	IGCC-1152 IGCC-1153	CBA CBA	NYK PLK	U U	MA MA	MS MS PIB/MPS PIB/S
Insulating Glass of Georgia Inc 520 Wharton Circle S W PO Box 43444 Atlanta GA 30336 404-691-3300 Inde-Pane ATL IGCC® CBA '94	IGCC-1003 IGCC-1123	CBA CBA	NYK NYK	U U	MA MA	MS MS PIB/S PIB/PS
Insulpave of Connecticut Inc 30 Edmond St Hamden CT 06517 203-865-8212 INSULPANE OF CT IGCC® CBA '94	IGCC-770	CBA	NYK	U	AA	MS PIB/PU
Interpane Glass Co 201 Interpane La PO Box 26 Deerfield WI 53531 608-764-5461 INTERPANE IGCC® CBA '94	IGCC-842 IGCC-981	CBA CBA	BC/PLK/AP BC/PLK/AP	U/C U	MA MA	MS MS PIB/S PIB/PU
Interpane Glass Co 520 E Railroad St Clinton NC 28328 910-592-7101 SPECTRUM GLASS PRODUCTS IGCC® CBA '94	IGCC-876 IGCC-984	CBA CBA	BC/NK/WL NYK	U/C U/C	MA AA	MS MS PIB/S PIB/S
Jersey Tempered Glass Inc 2035 Briggs Rd PO Box 205 Mt Laurel NJ 08054 609-273-8700 JTG IGCC® CBA '94	IGCC-689 IGCC-750	CBA CBA	NYK NYK	U U	AA AA	MS MS PU PIB/PU

CERTIFIED PRODUCTS

Licensee	IGCC Number		Corner Construction	Substrate	Spacer	Desiccant	Sealant
K C Company Inc 12100 Baltimore Ave Beltsville MD 20705 301-419-2200 K.C. IGCC® CBA '94	IGCC-638	CBA	NYK	U	AA	MS	PIB/MPS
Kuhl Glass Corp dba ThermaGlas 1930 S 23rd St PO Box 1426 Saginaw MI 48605 517-754-7461 TG 01 IGCC® CBA '94	IGCC-585 IGCC-586	CBA CBA	NYK NYK	U U	AA AA	MS MS	PIB/PS PIB/S
Labglas Inc 4625 S 32nd St Phoenix AZ 85040 602-243-4277 LAB IGCC® CBA '94	IGCC-856	CBA	NYK	U	MA	MS	PIB/S
Laminated Glass Corp 375 E Church Ave PO Box 1003 Telford PA 18969-1003 215-721-0400 LGC IGCC® CBA '94	IGCC-857	CBA	NYK	U	AA	MS	PIB/S
LBL Inc 14041 N E Sandy Blvd PO Box 20577 Portland OR 97220 503-253-6653 LBL 01 IGCC® CBA '94	IGCC-572	CBA	BC/NK	U	BSS	-	BSS
Marvin Windows PO Box 100 Warroad MN 56763 218-386-1430 MARVIN 01 IGCC® CBA '94	IGCC-303 IGCC-496 IGCC-1135	CBA CBA CBA	NYK NYK BC/NK	U U U	AA AA/AP TPS/AP	MS MS DM	PU PIB/PU PIB/PU
MGL Glass Div/Milco Milco Apogee Wausau Group 7555 Stewart Ave PO Box 1366 Wausau WI 54402 715-842-0581 MGL IGCC® CBA '94	IGCC-773 IGCC-1044 IGCC-1045	CBA CBA CBA	ALK/S BC/NYK BC/ALK/S	U U U	MA MA MA	MS/SG MS/SG MS/SG	PIB/S PU PIB/PU
Mid-American Glass 147 N Sturdevant St PO Box 3428 Davenport IA 52802 319-326-6294 MAG IGCC® CBA '94	IGCC-893	CBA	BC/ALK/S	U	MA	MS/SG	PIB/HMB

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Nashville Tempered Glass Corp 1860 Air Lane Dr Nashville TN 37210 615-889-6350 NTGC IGCC® CBA '94	IGCC-995 IGCC-1117	CBA CBA	BC/NK/WL NYK	U U	MA AA	MS MS PIB/PU PIB/PU
Norco Windows Inc PO Box 140 Hawkins WI 54530 715-585-6311 NORCO IGCC® CBA '94	IGCC-1098 IGCC-1099	CBA CBA	NYK NYK	U U	AA AA	MS/SG MS/SG PIB/PU PU
Northern Building Products Inc One Remsen P1 Ridgefield NJ 07657 201-943-6400 NBP IGCC® CBA '94	IGCC-1051	CBA	BC/NK	U	BSS	- BSS
Northwest Glass Inc 127 Regal St PO Box 21258 Billings MT 59104 406-252-7196 NWG IGCC® CBA '94	IGCC-865	CBA	NYK	U	AA	MS/SG PU
Northwestern Inds Inc 2501 W Commodore Way Seattle WA 98199 206-285-3140 NWI IGCC® CBA '94	IGCC-940 IGCC-941 IGCC-1164	CBA CBA CBA	BC/NYK BC/NYK BC/NK	U/C U/C U	MA MA TPS	MS MS DM PIB/PS PIB/S PIB/PS
Oregon Glass 10450 S W Ridder Rd PO Box 649 Wilsonville OR 97070 503-682-3846 OG IGCC® CBA '94	IGCC-1122	CBA	PLK	U	AA	MS/SG PIB/PS
Owens Corning Fiberglas PO Box 5466 Martinsville VA 24115 703-638-6000 OCF IGCC® CBA '94	IGCC-1070	CBA	BC/NK	U	BSS	- BSS
Patio Enclosures Inc 720 E Highland Rd Macedonia OH 44056 216-468-0700 PEI IGCC® CBA '94	IGCC-800	CBA	NYK	U	AA/AP	MS PIB/PU

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Penn Pane Insulating Inc 705 Clinton Ave PO Box 39 Reading PA 19603 215-375-2161 PPI IGCC® CBA '94	IGCC-885	CBA	NYK	U	AA	MS PIB/MPS
Perilstein Distributing Corp 100 Business Ctr Dr Cheswick PA 15024 412-274-9050 PERMA-PANE IGCC® CBA '94	IGCC-765 IGCC-927	CBA CBA	NYK NYK	U U	AA AA	MS/SG MS/SG PIB/MPS PIB/S
Philips Products 9141 Arrow Hwy Cucamonga CA 91730 909-987-4694 PP-03 IGCC® CBA '94	IGCC-1053	CBA	PLK/MB	U	AA	MS/SG HMB
Philips Products 1620 Wilco Rd Stayton OR 97383 503-769-6321 PP28 IGCC® CBA '94	IGCC-1054	CBA	NYK/MB	U	MA	MS/SG HMB
Pioneer Windows Corp c/o Kasson & Keller School Lane Fonda NY 12068 518-853-3421 IGCC® CBA '94	IGCC-1128	CBA	NYK	U	AA	MS HMB/MPS
Pride Insulated Glass Co Inc 75 N Brandon Dr Glendale Heights IL 60139 708-351-1441 PRIDE IGCC® CBA '94	IGCC-1048 IGCC-1050	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/MPS PIB/S
REPCO 510 Station Ave Bensalem PA 19020 215-639-5990 REPCO IGCC® '94						
Rochester Insulated Glass Inc Merrick St Ext Manchester NY 14504 716-289-3611 RIG IGCC® CBA '94	IGCC-451	CBA	BC/NYK	U	AA	MS PIB/S

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
SIGCO Inc 299 Presumpscott St Portland ME 04103 207-775-2676 SIGCO IGCC® CBA '94	IGCC-654	CBA	NYK	U	AA	MS PS
S N E Enterprises 1000 S View Dr PO Box 700 Mosinee WI 54455-0700 715-693-7000 SNE M IGCC® CBA '94	IGCC-553	CBA	BC/NYK/AP	U	AA	MS PIB/PU
S N E Enterprises Inc 2116 Wood St Stevens Point WI 54481 715-344-4034 SNE P IGCC® CBA '94	IGCC-1001	CBA	BC/NYK/AP	U	AA	MS PIB/PU
Solar Seal Co 55 Bristol Dr South Easton MA 02375 508-238-0112 SOLAR SEAL IGCC® CBA '94	IGCC-748 IGCC-1079	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/PS PIB/S
Superseal Mfg Inc 125 Helen St S Plainfield NJ 07080 908-561-5910 SS IGCC® CBA '94	IGCC-920	CBA	NYK	U	AA	MS HMB
Syracuse Glass Co Inc 4019 New Court Ave PO Box 381 Syracuse NY 13206 315-437-9971 SGC IGCC® CBA '94	IGCC-823 IGCC-828	CBA CBA	NYK NYK	U/C U/C	AA AA	MS/SG MS/SG PIB/MPS PIB/S
Tempglass Inc 291 "M" St Willis Day Industrial Park Perrysburg OH 43551 419-666-2000 TEMPGLASS IGCC® CBA '94	IGCC-722 IGCC-1084	CBA CBA	BC/NYK/AP NYK/AP	U U	MA MA	MS MS PIB/S PIB/PS
Tempglass Miami Inc 17851 N W Miami Inc Miami FL 33169 305-652-3350 Tempglass Miami IGCC® CBA '94	IGCC-1101	CBA	NYK	U	AA	MS PIB/S

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Tempglass Southern Inc 1101 Fountain Pkwy Grand Prairie TX 75050 214-647-4028 TEMPGLASS S IGCC® CBA '94	IGCC-862	CBA	NYK	U	AA	MS PIB/S
Tempglass Western Inc 48999 Kato Rd Fremont CA 94539 510-651-2292 TGW IGCC® CBA '94	IGCC-1111	CBA	NYK	U	AA	MS PIB
The Glass Factory Inc 5012 Expressway Dr S Ronkonkoma LI NY 11779 516-588-4844 SUPER-SEAL II IGCC® CBA '94	IGCC-790	CBA	NYK	U	MA	MS PIB/S
Thermolite Inc 337 E Gibson St Scranton PA 18509 717-969-1957 THERMOLITE INC IGCC® CBA '94	IGCC-646 IGCC-873	CBA CBA	PLK PLK	U U	AA AA	MS MS HMB PIB/S
Thermoseal Glass Corp 400 Water St PO Box 360 Gloucester City NJ 08030 609-456-3109 TSG IGCC® CBA '94	IGCC-1126	CBA	DYK	U	AA	MS/SG MPS
Thompson IG Corp 3196 Thompson Rd Fenton MI 48430 313-629-9558 Thompson IG Corp IGCC® CBA '94	IGCC-939	CBA	NYK	U	AA	MS PIB/PU
TRACO (Three Rivers Aluminum Co) Cranberry Ind Pk PO Box 805 Warrendale PA 15095 412-776-7000 TRACO IGCC® CBA '94	IGCC-439	CBA	BC/NK/W	U	MA	MS PIB/S
Vega Glass Center of Virginia Inc PO Box 59 Newington VA 22122 703-550-7982 INSULVUE IGCC® CBA '94	IGCC-868 IGCC-998	CBA CBA	NYK NYK	U U	AA AA	MS MS PIB/PU PIB/S

CERTIFIED PRODUCTS

Licensee	IGCC Number	Corner Construction	Substrate	Spacer	Desiccant	Sealant
Viracon Inc 800 Park Dr PO Box 248 Owatonna MN 55060 507-451-9555 VIRACON IGCC® CBA '94	IGCC-169	CBA	BC/ALK/S	U/C	MA/AP	MS PIB/S
	IGCC-980	CBA	BC/ALK	U	AA/AP	MS PIB/S
Weatherproof Inc 385 Watts Rd Jackson MI 49203 517-764-1330 WEATHERPROOF IGCC® CBA '94	IGCC-580	CBA	NYK	U	AA	MS PU
	IGCC-923	CBA	NYK	U	AA/AP	MS PIB/PU
Weather Shield Mfg Inc 2990 S 8th W Route 1 Box 103 Logan UT 84321 801-753-6590 WS-U 12 IGCC® CBA '94	IGCC-557	CBA	NYK/MB	U	AA	MS PIB/PU
Weather Shield Mfg Inc 675 E Allman St PO Box 309 Medford WI 54451 715-748-2100 WS 02/03 IGCC® CBA '94	IGCC-408	CBA	NYK/MB	U/C	AA	MS PIB/PU
Western Glass / General Glass Corp 11205 E 37th Ave PO Box 390711 Denver CO 80239 303-371-5511 DUAL-PANE IGCC® CBA '94	IGCC-932	CBA	BC/NYK	U	AA	MS/SG PIB/S
	IGCC-933	CBA	BC/NYK	U	AA	MS/SG PIB/HMB
Winchester Industries Route 286 E Box 160 Saltsburg PA 15681 412-639-3551 WI IGCC® CBA '94	IGCC-928	CBA	BC/NK	U	BSS	- BSS

CERTIFIED PRODUCTS KEY

Sealant:

BSS = Butyl sealant spacer
 HMB = Hot melt butyl
 MPS = Modified Polysulfide
 PIB = Polyisobutylene
 PS = Polysulfide
 PU = Polyurethane
 S = Silicone

Corner:

ALK = Aluminum key
 DCK = Die cast key
 NYK = Nylon key
 PLK = Plastic key
 NK = No key
 BC = Bent Corners
 AP = Aperture plug
 MB = Muntin bars

 S = Soldered
 W = Welded
 B = Brazed
 J = Joiner
 L = Leg

Substrate:

U = Uncoated
 U/C = Uncoated/Coated
 SF = Suspended film
 SCF = Suspended coated film

Desiccant:

MS = Molecular sieve
 SG = Silica gel
 MS/SG = Blend of molecular sieve
 and silica gel
 DM = Desiccated matrix

Spacer Material:

AA = Anodized aluminum
 AC = Aluminum channel
 AP = Aperture plug
 BSS = Butyl Sealant Spacer
 MA = Mill finish aluminum
 SFS = Silicone foam system
 GS = Galvanized steel
 SS = Stainless steel
 TPS = Tinsplate steel

Thermal Break:

DP = Desiccated plastic
 PF = Plastic foam
 P = Plastic

Vapor Barrier:

AF = Aluminum foil
 B = Butyl
 P = Plastic

Note: The materials of construction as listed above are presented as general information only. The designations for the various component parts are generic and do not reflect specific product modifications or technical differences within a component. For more detailed information on components, contact your insulating glass supplier.

UNDER EACH COMPANY'S NAME IS THEIR IGCC PERMANENT LABEL

"PROTOTYPE IN PROGRESS"

The following Candidate Licensees have a prototype test in progress for possible inclusion in the IGCC Program.

MANUFACTURERS

ACI GLASS PRODUCTS	SANTA CLARA, CA
ACI GLASS PRODUCTS	SEATTLE, WA
ALCAN BUILDING PRODUCTS	RICHMOND, VA
ALL SEASON WINDOW & DOOR	E. BRUNSWICK NJ
AMERICAN FLAT GLASS DIST	BIRMINGHAM, AL
AMERICAN FLAT GLASS DIST	JACKSONVILLE, FL
AMERICAN FLAT GLASS DIST	MARIETTA, GA
AMERICAN FLAT GLASS DIST	FALL RIVER, MA
AMERICAN FLAT GLASS DIST	CHARLOTTE, NC
AMERICAN FLAT GLASS DIST	POWELL, TN
AFG GLASS	CONCORD, ONTARIO
J E BERKOWITZ	WESTVILLE, NJ
EDGE SEAL TECHNOLOGIES INC	BEDFORD, OH
EDGE SEAL TECHNOLOGIES INC	BOARDMAN, OH
FLORAL GLASS & MIRROR	HAUPPAUGE, NY
GLASMONT CORP	INDIANAPOLIS, IN

AUGUST 1, 1994

"PROTOTYPE IN PROGRESS"

The following Candidate Licensees have a prototype test in progress for possible inclusion in the IGCC Program.

MANUFACTURERS

HGP INDUSTRIES INC	TAMPA, FL
HGP INDUSTRIES INC	SHAWNEE, OK
HOFFERS INC	SCHOFIELD, WI
HURD MILLWORK CO	MERRILL, WI
INTERPANE GLASS CO	DEERFIELD, WI
MILGARD TEMPERING	DIXON, CA
NASHVILLE TEMPERED GLASS CORP	NASHVILLE, TN
PHILIPS PRODUCTS	STANTON, OR
RED BUD GLASS	OKLAHOMA CITY, OK
SOLAR SEAL CO	SOUTH EASTON, MA
TEMPGLASS INC	PERRYSBURG, OH
TEMPGLASS SOUTHERN	GRAND PRAIRIE, TX
THOMPSON IG	FENTON, MI
WESTERN GLASS	DENVER, CO
WINDSOR WINDOW CO	W DES MOINES, IA

NOTICE

In accordance with the terms of the IGCC Procedural Guide, the IGCC Standard License Agreement and Appendix A (Affidavit) thereto, a manufacturer with a prototype product test in progress is not authorized to use an IGCC permanent label for that product or to certify that its product is in compliance with IGCC Program Standards and Procedures until a passing prototype test report for that product is presented by the manufacturer to the IGCC office and the manufacturer is otherwise in compliance with IGCC Program Procedures.

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ROSTER

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 James Sorge, Hoffer's Inc
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 James Krahn, Marvin Windows
 Elizabeth Bellaver, Nichols

IGCC Officers

Robert Spindler, President
 W. Lynn Beason, VP and Treasurer
 Elizabeth Bellaver, Secretary

IGCC CERTIFICATION COMMITTEE

James Krahn, Chairman

<u>Licensee</u>	<u>Primary Member</u>	<u>First Alternate</u>	<u>Second Alternate</u>
ACI Glass Products			
AFG Glass Inc			
Alpen Inc			
Alside Window Co			
American Flat Glass Distributors	J. Richard Orton		
Artistic Glass Products Co			
Assurance Glass Co	Walt Myers	Cheri Kellman	
B & G Glass & Mirror Co Inc			
J E Berkowitz Inc			
Better Thermo Unit 2 + 2	Alfred Shapiro	Robert Wightman	
Capitol Aluminum & Glass Corp			
Capitol Glass & Aluminum Corp	Doug Brown II	Dennis Mills	Brad Hansen
Cardinal IG	Robert G. Spindler	Roger D. O'Shaughnessy	James Larsen
Class Glass of Battle Creek Inc			
Croft Metals Inc			
Crystal Windows & Doors Inc			
Curved Glass Distributors			
Custom Glass Products Inc	Victor Reeder	Eric Reeder	Joseph Oboikovitz
Custom Glass Products of Carolina Inc	Steven Reeder		
DeLuxe Insulated Glass Inc	Douglas J Smith		
Dykstra Brothers Glass Co	James Sorge	Kevin Schulz	Lon Stetler
Ecker Manufacturing Corp			
Edge Seal Technologies Inc	Michael McHugh	Mike Bayer	Susan Orr
Floral Glass Industries Inc			
Floral Glass & Mirror			
Flower City Glass Co			
Four Seasons Solar Products Corp			
Galaxy Mfg Co of CNY Inc			
Glasmont Corp			
Glass Distributors of America Inc	James Sorge	Kevin Schulz	Jim Sutterfield
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Glasstemp Inc			
Glenny Glass Co			
Graham Architectural Products Corp	Georges A. Thiret		
Guardian Fabrication Inc			
Guardian Inds Corp Lewistown Plant	John Jablonski		
Harvey Industries Inc	Michael Kelliher	Jim Barreira	
Hoffer's Inc	James Sorge	Kevin Schulz	Ken Lancaster
HGP Industries Inc	Robert Williams	Richard Wright	
Hurd Millwork Co	Peter Nygaard		
Insulating Glass of Georgia Inc	Joseph M. Scalzo		
Insulpane of Connecticut Inc			
Interpane Glass Co	C. Greg Carney	Tom W. Radloff	

Jersey Tempered Glass Inc			
K C Co Inc			
Kuhl Glass Corp			
Labglas Inc			
Laminated Glass Corp	Darrell Aldrich	Mike Lerner	
LBL Inc			
Marvin Windows	James Krahn	Douglas Steinbring	
MGL Glass Div/Milco			
Mid-American Glass			
Nashville Tempered Glass Corp			
Norco Windows Inc			
Northern Bldg Products Inc			
Northwest Glass Inc			
Northwestern Inds Inc	Tim McQuade	James Levingston	Henry Heiss
Oregon Glass			
Owens Corning Fiberglas			
Patio Enclosures Inc	Jeff Nowell	Bob Boger	
Penn Pane Insulating Inc			
Perilstein Distributing Corp			
Philips Products			
Pride Insulated Glass Co Inc			
REPCO			
Rochester Insulated Glass Inc	Stanley Wolk		
SIGCO Inc	Andy Soule		
S N E Enterprises Inc			
Solar Seal Co	Frederic P. Shaw, Jr.		
Superseal Mfg Inc			
Syracuse Glass Co Inc			
Tempglass Inc	William Coddington	John E. Colapietro	
Tempglass Miami Inc			
Tempglass Southern Inc	John E. Colapietro		
Tempglass Western Inc			
The Glass Factory Inc			
Thermolite Inc			
Thermoseal Glass Corp			
Thompson IG Corp			
TRACO (Three Rivers Aluminum Co)	Robert P. Randall		
Vega Glass Center of Virginia Inc			
Viracon Inc	Lyle Krohnberg	Dan Wacek	Rick Voelker
Weatherproof Inc			
Weather Shield Mfg Inc	Lyn Hartl	Randy Runge	Steve Wright
Western Glass/ General Glass Corp	Peter Fillmore	Robert Ripper	
Winchester Industries			

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York PA 17402-9405

Jerry Wulf
Andersen Corporation
Bayport MN 55003

IGCC® LABEL REQUIREMENTS

THE IGCC CERTIFICATION LABEL MUST BE PERMANENTLY MARKED ON A VISIBLE PORTION OF EACH SEALED INSULATING GLASS UNIT OR IT IS NOT CERTIFIED BY THE MANUFACTURER TO THE PUBLIC. The label shall be etched, sand blasted, embossed, printed, painted or otherwise permanently marked on the spacer or at least one component pane of the sealed unit.

This label must be visible after installation in the building. The IGCC permanent label must be in block capital letters and have a minimum height of 0.050 inches. The letters IGCC must be followed by the Federal Registration Mark or a close facsimile, i.e. IGCC®.

The IGCC permanent label must contain the company identification. (company name, trade name or company code consisting of letters), plant code*, registered "IGCC®" mark, C, CB, or CBA rating level and a date code spanning no more than a 12 month period, plus or minus one month and commencing with the beginning of each calendar year (effective for both the beginning and the ending of each period). Outdated spacers may be hand stamped to bring the label up to date. The Plant Code would only be required when there is more than one plant with an IGCC certified product operating under that company name. The IGCC permanent label must be affixed to certified products only at the time and place of manufacture. The labeling must be approved by the Administrator. The rating level (C, CB, or CBA) will be considered as part of the IGCC label. The permanent label must be affixed only to sealed insulating glass units of the licensee's own manufacture which have been certified by the manufacturer through IGCC.

The permanent label must not be sold, transferred or otherwise disposed of in any manner other than being affixed to the licensee's certified production. The permanent label must not be affixed to any product from which certification has been withdrawn or which is produced with a process basically different from the one used when certification was obtained.

Example of Minimum Labels:

<u>Company Identification</u>	<u>Plant Code</u>	<u>IGCC®</u>	<u>Rating Level</u>	<u>Year Code</u>
AMERICAN GLAZING COMPANY	*	IGCC®	CBA	'94
or				
AMERIPANE				
or				
AGC				
or				

All 3 if desired but must be listed

Under each company's name is their IGCC permanent label.

IN RECOGNITION OF PAST PRESIDENTS WHO SERVED IGCC SINCE ITS INCEPTION

Roger D. O'Shaughnessy	Cardinal IG	1977 - 1979
Donald J. Vild	LOF Glass	1979 - 1981
Colin S. Brady	Twin Pane	1981 - 1982
Robert G. Spindler	PPG	1982 - 1983
Jerry Catalano	Hordis Brothers	1983 - 1985
Dr. Joseph E. Minor	University of Missouri	1985 - 1989
Mitchell D. Edwards	SPI Glass Corp	1989 - 1992
John Colapietro	Tempglass Inc	1992 - 1993

MEETINGS OF THE
CERTIFICATION COMMITTEE

The Certification Committee of the Insulating Glass Certification Council met on September 28 and 29, 1993.

Interested persons may obtain minutes of these meetings by writing to the Insulating Glass Certification Council.

By-laws are also available by writing to the Insulating Glass Certification Council.

Certification in this directory is up to date as of August 1, 1994; however, products may be authorized to use the permanent label or authorization removed from time to time. Please contact the IGCC office for the latest up-to-date information.

Direct all requests or any comments to:

Insulating Glass Certification Council
Mr. John G. Kent
Administrative Manager
3933 US Route 11
PO Box 2040
Cortland NY 13045-0950

Telephone: 607-753-6711
Fax: 607-756-9891

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3933 US Route 11
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607-753-6711

**A GUIDELINE FOR YOUR ASSISTANCE IN ADVERTISING YOUR PRODUCTS
AND THEIR CERTIFICATION STATUS UNDER THE INSULATING GLASS
CERTIFICATION COUNCIL ("IGCC") CERTIFICATION PROGRAM:**

The following concepts are important to remember whether you are a Participant or Licensee in the IGCC Certification Program, or supplier to the sealed insulating glass industry. This discussion is intended to provide you with an accurate background description of the IGCC Certification Program, to help you avoid making possibly misleading, deceptive, or ambiguous statements regarding the Program in the advertising of your products.

1. IGCC is the sponsor of a Certification Program. IGCC does not certify products.
2. The Administrator inspects laboratories and checks their equipment; inspects Licensees' production and fabrication of specimens; and validates test reports and certification claims.
3. Laboratories test specimens to specific test methods and specifications, referenced by IGCC.
4. Manufacturer/Licensees "certify" their products, affirming that their products are constructed similarly to specimens which were inspected, tested and found to pass the stated criteria. A Licensee's Certification Statement is the imprinting, sandblasting, etching or other form of permanent marking of an IGCC Certification Program designation and number to its product.
5. IGCC does not have "members," inasmuch as the term "members" carries with it a connotation that some detailed criteria must be met in order to participate in the organization. Under the IGCC concept, anyone can participate, and "participants" simply must possess a "legitimate interest in the purposes of IGCC." Manufacturers, on the other hand, which are "fabricators of sealed insulating glass units," become Participants by virtue of executing a License Agreement with IGCC. Any manufacturer of insulating glass may voluntarily enter into a license agreement with IGCC, provided it intends to certify at least one product under the IGCC Certification Program. Thus, the proper term to use for a manufacturer Participant is Licensee. A manufacturer, with a prototype in progress, is termed a "Candidate Licensee."
6. Unit specimens, not their components, are tested under the IGCC Program. Thus, if you are a supplier to the industry, statements indicating that your components have complied with the test methods would be incorrect. A better nomenclature for example, would be, that "Units tested to ASTM E774-88 containing our X component have been found to meet the requirements of Class Y."
7. Should you have any questions concerning the IGCC Certification Program, please contact:

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Administrative Manager
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PROCEDURAL GUIDE

INSULATING GLASS CERTIFICATION COUNCIL
CERTIFICATION PROGRAM FOR SEALED INSULATING GLASS

FOREWORD

Acceptance of certified sealed insulating glass comes with the conviction that such certification assures a high level of quality and the integrity of the identifying mark or certification label is being reliably maintained by a competent certifying agency.

The existing ASTM Specification E774-88 for sealed insulating glass provides a sound technical basis for the required quality of sealed insulating glass. With the addition of independent administration plus periodic routine in-plant visits and product evaluation, a program of product certification is developed in accordance with accepted Standards. The certification program described here is predicated upon the concept of independent and impartial administration of the certification procedures in the IGCC 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 licensees.

It should be noted that the IGCC 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 procedures and routine operation of the certification program.

GENERAL INFORMATION

The Certification Concept

The IGCC certification program is based upon the conviction that no standard of quality is good without the continuous adherence of the licensees to that standard.

To buyers, specifiers, code officials and users, the IGCC certification label offers the manufacturer's assurance that his sealed insulating glass units have been produced in conformance to the ASTM specification E774-88.

Who Can Participate?

Every manufacturer of sealed insulating glass is eligible, on a voluntary basis, to participate.

Who Conducts the Program?

The Insulating Glass Certification Council, a non-profit corporation, is the sponsor of this certification program. IGCC supervises the certification program under which the administrator periodically checks and reports compliance of the manufacturers of products having the IGCC certification label.

Administration

ETL Testing Laboratories, Inc. (ETL) is the independent administrator of the certification program. ETL maintains the IGCC office of certification and handles the routine day-to-day business. All transactions are done in the name of IGCC.

How Can You Become a Licensee?

The following steps must be accomplished before IGCC can authorize a manufacturer to use the IGCC permanent label:

- a) The manufacturer must present a passing prototype report from an approved IGCC testing laboratory (fabrication of which was witnessed by the Administrator) to the IGCC office.
- b) The manufacturer signs two copies of the IGCC license agreement (including notarization of the Affidavit, Appendix A) and sends these to the IGCC office. IGCC will countersign both copies and return one to the licensee.

- c) The Appendix A, to the Licensee Agreement, contains a description of the model (prototype report attached) that will be authorized to use the IGCC permanent label.
- d) The licensee sends to IGCC the necessary certification fee.
- e) After receipt by IGCC of the above, the administrator validates that particular model and sends to the licensee a notice of authorization to use the IGCC permanent label. The permanent label must be affixed on each certified sealed insulating glass unit.
- f) The certified model will then be listed in the next published certified products directory.

HOW THE CERTIFICATION PROGRAM WORKS

American Society for Testing and Materials has test methods and specifications for sealed insulating glass. Sealed insulating glass must meet or exceed the applicable specification before it can be certified.

IGCC recognized independent testing laboratories conduct all tests. All laboratories, whose test reports are utilized by this certification program, shall be approved by the IGCC certification committee.

Administrator Authorizes Certification

As a sole judge of compliance with the applicable specification, the administrator authorizes a product which has been approved to be listed in the certified products directory.

Licensees label sealed insulating glass units in accordance with the labeling requirements established by the IGCC certification committee.

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 manufacturers, glazing contractors, home builders, architects, regulatory agencies and code-making groups, etc. Directory listings contain the licensee's name, plant location and product description.

The administrator verifies production at the licensee's manufacturing location twice per year by making unannounced inspections. The prototype test will be considered as the test for the first year of certification. During the first year, two inspections will take place at which time the inspector will compare current production with the product authorized to use the IGCC permanent label. During the first inspection in the second year, specimens will be fabricated for testing. IGCC will ask the manufacturer to produce twelve test specimens. The fabrication of these twelve test specimens is witnessed by IGCC and IGCC verifies that they are produced in accordance with the construction certified. The licensee is instructed to send these test specimens to an official IGCC testing laboratory where they are tested. The specimens must be shipped to the laboratory within four weeks of fabrication. Tests are made at the laboratory recommended by the licensee and selected by the administrator from the approved list.

A monthly report listing the status of testing is mailed to the licensee by IGCC on the 15th of each month.

Upon completion of the test, results are mailed promptly to the licensee by the administrator.

COMPLIANCE SAFEGUARDS

How is Compliance Assured?

Any certified product found in the course of routine inspection and evaluation not to be in compliance with the model description is subject to having authorization to use the IGCC permanent label removed. The licensee is sent a Request for Clarification giving thirty days in which to demonstrate to the satisfaction of the administrator that his product is in compliance with the model description that is certified. If he does not respond, a Warning of Possible Removal of Authorization to Use the IGCC Permanent Label is sent by certified mail; return receipt requested, giving an additional thirty days to respond. If he does not respond, authorization to use the IGCC permanent label is automatically terminated at the end of that thirty-day period.

In the case of a routine test failing to comply with the specifications, the licensee will be officially notified by certified mail; return receipt requested that within 15 days he must respond, stating a retest fabrication is requested by paying all administrative and test fees. If there is no response within the 15 days, authorization to use the IGCC permanent label is automatically terminated. If the retest option is accepted, the administrator will perform an inspection and witness fabrication of the retest specimens within 45 days of payment of fees.

Challenging a Certified Product

Complaints of non-compliance from any corporation or business source will be investigated promptly by IGCC upon receipt of the complaint in writing along with an appropriate surety deposit. A minimum surety deposit of \$1,500 will be required for each complaint of non-compliance. The surety deposit will be assessed at the rate of \$300 per man plus the reasonable cost of travel and other expenses 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 complaint's surety deposit, unless the investigation proves non-compliance, in which case all costs will be borne by the licensee found to be in non-compliance.

Complaints by Consumers

The administrator shall receive and log the complaint; responding to the consumer with a certified products directory and instructions on how to locate the IGCC label.

It will be the consumer's responsibility to identify the label, number, class and date code which appear on the spacer or glass and advise the administrator of the same. Note: If no IGCC label exists, the product has not been certified by the manufacturer to IGCC and the administrator and IGCC have no further responsibilities or options.

Once the consumer has identified the label, number, etc. and advised the administrator, the administrator shall respond, advising the consumer of the name, address, primary contact, model description and other pertinent information at hand as it pertains to the subject licensee. Note: If the complaint is being made for reasons of product appearance or failure such as glass quality, fogging, seal failure, dust, etc., the consumer shall be advised to contact the licensee or manufacturer directly. Some manufacturers and their dealers or distributors offer warranties on their products. Normal claims, procedures and legal remedies are available to consumers on a state by state basis.

If the consumer wishes to determine whether or not a labeled product is in compliance with the model described through an investigation by IGCC, the corporation or business challenge procedure shall be utilized. The surety deposit shall be modified to \$400 and charges per man day shall be assessed against the surety deposit in the amount of \$300 plus reasonable travel costs and other expenses.

Withdrawal of Certified Product

Any product which has been authorized to use the IGCC permanent label may be voluntarily withdrawn from the Certification Program by the licensee at any time.

COSTS

What Does the Program Cost?

The initial administration fee will be based on the date of authorization to use the IGCC permanent label in a manner that participation in the certification program will be on a February 1 to January 31 basis thereafter. If the authorization date is between August 1 and December 1, the administration fee for participation will be one-half the total yearly fee and will include one inspection prior to the February 1 date. If the authorization date is on or before July 31, the total administration fee for the first year will be charged for participation and will include two inspections prior to the following February 1 date. A Licensee is invoiced for each item that is certified and listed separately in the Certified Products Directory. An additional invoice for testing laboratory fees will be issued upon fabrication of test units. Testing of these units will not begin until payment has been received. Should failure of these units occur during certification testing, any remaining balance will be refunded to the Licensee.

CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS

License Agreement

This agreement, incorporating independent program administration and routine, periodic, independent plant inspections, sampling and evaluation, governs the relationship between IGCC and the licensee.

Future amendments or revisions to the license agreement will be recommended by the IGCC certification committee and enacted by the IGCC Board of Governors.

Effective Date, Duration, and Termination

The License Agreement becomes effective on the date of its execution; has an initial duration of twelve months (adjustable to a February 1 to January 31 basis), and is automatically renewed for successive, additional periods of twelve months, unless either party gives notice at least sixty days prior to date of expiration that cancellation is requested or unless revoked by IGCC for causes set forth in the document.

Administrative Service Agreement

This agreement entered into by IGCC and ETL Testing Laboratories, Inc., governs the relationship between IGCC and ETL, the independent administrator. In general, it provides that the administrator:

- a) routinely inspects licensee manufacturing facilities twice per year, and during the first inspection in the second and subsequent years, witnesses fabrication of specimens for testing at one of the IGCC testing laboratories
- 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 test laboratory facilities for use in this certification program (test laboratories are recognized or approved by the IGCC certification committee)
- e) publishes and mails the IGCC certified products directory twice each year
- f) handles all routine clerical duties of IGCC with respect to certification matters
- g) acts as IGCC treasurer, invoicing licensees, maintaining a bank account and dispersing funds (fiscal reports are made to the IGCC Board of Governors)
- h) attends all scheduled meetings of the IGCC certification committee and
- i) in all of its actions acts in the name of IGCC.

Procedural Guide

This guide outlines program procedures in accordance with the provisions of the License Agreement and the Administrative 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 licensees 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 sealed insulating glass units of each licensee.

Certification Label

This certification mark is permanently affixed to each unit of certified sealed insulating glass by the licensee. It contains a code that refers to the listing in the certified products directory. The listing then provides a product description including the company name, plant location, etc.

PROGRAM RESPONSIBILITY

The IGCC Board of Governors 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 IGCC 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 "guidelines"
- b) determines the applicability of the specifications in a specific situation where a question is raised by a licensee 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 IGCC Board of Governors changes to be made in the license agreement.

CERTIFICATION GUIDELINES AND INTERPRETATIONS

For guidance in labeling and certifying sealed insulating glass units the IGCC Certification Committee has adopted the following:

ALWAYS

The following situations permit the licensee to always certify the sealed insulating glass units with the same IGCC number.

GLASS

A.GL.1

Any change in glass thickness from that tested (3/16 inch is required in test specimens).

A.GL.2

Any change in glass tint or color from that tested (clear glass is required in test specimens.)

A.GL.3

Any change in glass size from that tested (14 by 20 inches is required for test specimens.)

A.GL.4

Any change in glass type (i.e. tempered, heat strengthened, laminated or patterned glass) from that tested (annealed glass is normally used in test specimens).

A.GL.5

Any change in glass shape from that tested (rectangular glass is required in test specimens). This guideline permits the same IGCC number for triangular, circle head, trapezoidal and other shapes.

A.GL.6

Any change in glass supplier from that tested.

SPACER

A.SP.1

Any change in air space dimension from that tested (one-quarter inch air space is required in test specimens).

A.SP.2

Any change in spacer wall thickness from that tested.

A.SP.3

Any change in spacer seam design (i.e. butt seam or lock seam) from that tested.

A.SP.4

Any change in supplier of spacer from that tested, everything remaining the same.

A.SP.5

Corners or connections which are soldered, welded, brazed or bent, but uncut, may be used interchangeably with the same IGCC number. (Adopted 2/19/85)

A.SP.6

Corners may be changed to bent-uncut corners, using the same IGCC number, provided the remaining connections utilize the same fastening technique as previously certified. (Adopted 10/18/89)

DESICCANT

A.DE.1

A manufacturer may use the same certification number for units fabricated having air spaces equal to, or greater than, 1/4-inch provided the weight of desiccant per inch of edge remains the same or is greater than the model tested. On units fabricated having 3/16-inch air spaces, provided the manufacturer maintains the same weight of desiccant per inch of edge or as close to that value as possible.

A.DE.2

A change in supplier of the same generic type of desiccant from that tested will not require a different IGCC number.

A.DE.3

The use of the same desiccant manufactured in different particle size ranges will not require a different IGCC number.

A.DE.4

An increase in the percentage of molecular sieve in a blended desiccant (defined as a "molecular sieve/silica gel" mix) will not require retest unless the molecular sieve content exceeds 75% by weight. (Adopted 8/29/84)

SEALANT

A.SE.1

Any increase in moisture vapor transmission path length is an acceptable alternate for labeling.

A.SE.2

A licensee may use a temporary alternate sealant in the same generic class by (a) notifying the Administrator of the change, and (b) having test specimens witnessed by the administrator's representative at the next regular inspection, and (c) sending the test specimens to an approved testing laboratory within four weeks of the test specimens' fabrication date. The licensee may temporarily use the certification label on a provisional basis commencing with written notification of the Administrator and ending when test results are received by the Administrator. (Revised 6/7/90)

NEVER

The following situations never permit the licensee to certify with the same IGCC number. They require the use of a different IGCC number.

SPACER

N.SP.1

A change in spacer material, i.e. aluminum to steel or any other material will require different IGCC number.

N.SP.2

A change in spacer surface finish, i.e. anodized to mill finish or hot dip to electro galvanized, will require a different IGCC number.

N.SP.3

A change in corner design from soldered, welded, braised or bent to mechanical corner will require a different IGCC number. (Modified 4/16/91)

N.SP.4

A change in corner key material to another material, except for same material as the spacer, will require a different IGCC number.

N.SP.5

If bent, uncut spacer corners or connections are changed to mechanically fastened spacer corners, a new IGCC number is required. (Adopted 2/19/85)

DESICCANT

N.DE.1

A change in generic type of desiccant will require a different IGCC number. Generic types, for purpose of this guideline, are silica gel, molecular sieve and blends of silica gel and molecular sieve up to 75% by weight molecular sieve. (Adopted 8/29/84)

SEALANT

N.SE.1

In a single sealant system, a change in generic type of sealant will require a different IGCC number.

N.SE.2

In a two sealant system, a change in generic type of primary sealant will require a different IGCC number.

N.SE.3

In a two sealant system, a change in generic type of secondary sealant will require a different IGCC number.

N.SE.4

Any decrease in the minimum design moisture vapor transmission path length will require a different IGCC number.

N.SE.5

Any increase in thickness of design moisture vapor transmission path (glass to spacer dimension) will require a different IGCC number.

GENERAL**CLASS I - UNIT MODIFICATION****DEFINITIONS**

Breather Tube - Tube inserted into the I.G. spacer and intended to be sealed prior to glazing of the unit.

Capillary Tube - Tube inserted into the I.G. spacer and intended to be left permanently open.

Capillary Tube and How It Related to Membrane - IGCC observes that organically sealed insulating glass units are not actually hermetically sealed, but rather are composed of sealing systems which demonstrate sufficiently low water and gas transmission rates as to pass the accelerated weathering conditions imposed in ASTM E773 and E774. We acknowledge that certain capillary tube designs may also control the passage of water and gases in such a manner as to allow breathing but still demonstrate the ability to pass the test conditions.

G.0 - (Added Guideline - 8/14/85)

An I.G. construction incorporating a permanently open capillary tube will be considered and listed as equivalent to a previously IGCC program certified I.G. model without a capillary tube, provided the following applies:

- a. Material and construction of the units are identical, except for the inclusion of the capillary tubes.
- b. Both sets of I.G. units reach the same rating level when tested according to ASTM E774. The units with capillary tubes need only be tested once.
- c. The test must be run by an IGCC approved lab.
- d. Preparation of test specimens need not be witnessed. However, the test result must be reviewed and approved by the Administrator.

G.1 - Breather Tube (Temporarily Open Type)

A licensee is permitted to insert the open end of a breather tube in a bag or container of desiccant during shipment of a specimen to the test laboratory. The breather tube must be sealed prior to testing. (Adopted 8/14/85)

G.2 - Breather Tube (Temporarily Open Type)

The addition of a breather tube is acceptable, for shipping only, even though not in the test specimen. The breather tube should be properly sealed before installation. (Adopted 8/14/85)

G.3 - Edge Protection

The addition of edge protection such as metal banding, metallic foil, barrier coat, etc. is acceptable with the same IGCC number.

G.4 - Coated Glass

Inorganically coated glass (i.e. pyrolytic-coated low E) may be used provided that the sealant or sealants contact the original glass substrate or contact silica or a glass-like material. (Modified 4/16/91)

G.8 - Muntins

Test specimens shall be constructed utilizing all of the components of the muntin system which are used in the ultimate product and shall be situated in a four lite divided arrangement in a diagonal or rectangular pattern. A licensee may use the same certification number for units manufactured without internal muntins providing the yearly testing has been accomplished in accordance with the above procedure. (Modified 4/17/91)

G.15 - Multiple Air Spaces

Multiple air space units may be certified with the same IGCC number as single air space units, provided that the construction of each space complies with the guidelines for single space units; pressure communication of spaces is permitted, but not required.

G.19 - Coated Glass (Coated to Edge)

A coated insulating glass unit shall be considered equivalent to certified insulating glass units made with uncoated glass, providing the test level is the same for both sets of I.G. units. Tests shall be by IGCC approved laboratories. Only the lowest light transmission product for which equivalency is desired need be tested, provided the outermost metallic layer contacting the sealant is the same composition for all visible light transmission. The equivalency shall apply for all coated products of the same generic type (i.e. metal or metal compounds that can be glazed monolithically), regardless of the source of manufacture or whether or not the application is by a vacuum deposition or sputtering process. The coated glass pane of such units may be 1/4-inch (6 mm) thickness. Preparation of test specimens need not be witnessed. However, the test result must be reviewed and approved by the Administrator. (Adopted 8/14/85)

G.26 - Desiccant in 1/2-inch Air-Space Test Units

In cases where units are made for testing with 1/2-inch air-space, glass thickness shall remain within the guidelines already established and that the desiccant quantity shall be limited to a maximum of filling one-half of the perimeter. (Adopted 8/28/86) However, if equivalent desiccant quantity to a standard 1/4" air space unit can be demonstrated, filling of all sides will be allowed (modified 9/1/87).

It should be noted that the limitation upon desiccant quantity is done in order to maintain the relationship of quantity of desiccant within the 1/2-inch air space test unit identical with that of a 1/4-inch test unit since the moisture vapor transmission area in each of these units is identical. Filling 4 spacers of a 1/2-inch air-space would give manufacturers having this larger air-space unit tested an unfair advantage. It was asked to point out that testing of units containing a 1/2-inch air-space will undergo greater stress during the test and, therefore, is considered a more difficult test in this configuration. (Adopted 8/28/86)

G.27 - A sealed insulating glass unit that has been structurally modified, i.e. hole or holes for gas filling, shall be tested for certification assembled with standard production procedures including these modifications. At the option of the manufacturer, the units may be tested with gas or air in the interspace. Non-gas-filled units shall be considered equivalent providing construction is identical except for the omission of the gas filling hole/holes. (Adopted 9/8/88) To accommodate this modification, a nominal 1/2-inch \pm 1/16-inch gas or air space may be tested under this guideline. (Modified 3/29/89)

CLASS II - SPECIMEN**G.6 - Specimens - Quantity**

A minimum of 12 specimens, up to a maximum of 24 specimens, will be fabricated for testing purposes. (No more than 12 specimens may be shipped to the laboratory at one time.)

G.9 - Specimens - Production

When a licensee is producing only unlabeled units at the time of an unannounced plant inspection, the licensee will be requested by the IGCC inspector to label at least one unit in accordance with Guideline G.7 to permit completion of the inspection. (The label may be hand scribed or crayon marked on the inside surface.)

G.10 - Specimens - Production

If a licensee is not producing units at the time of an unannounced inspection, a labeled unit from inventory may be cut apart for inspection, provided that the date code is within the inspection period.

G.11 - Specimens - Production

A portion of unannounced inspection will be a check, to some degree, to determine whether a licensee is using an IGCC label on unauthorized units.

G.12 - Specimens - Shipment

Units fabricated for test during an unannounced inspection must be shipped within four weeks of the date of fabrication. If they are not, the inspection is considered invalid and another inspection must take place. All costs related to this guideline are to be borne by the licensee.

G.14 - Specimen Frequency

The prototype test will be considered as the test for the first year of certification (providing application is made within 18 months from the date of the test report). This is effective for matters initiated after May 1982. The next fabrication for testing purposes will be in the first half of the second year.

CLASS III - LABELING**G.7 - Labeling**

The permanent label shall be etched, sand blasted, embossed, printed, painted, or otherwise permanently marked on the spacer or at least one component pane of the sealed unit.

G.17 - Labeling - Qualification

A licensee may accept certification to any level passed on any test (retest, prototype, routine testing) under any IGCC supervised testing conditions.

G.18 - Labeling

The IGCC permanent label must contain the company identification, company name, trade name, or company code consisting of letters, plant code, registered "IGCC" mark, C, CB, or, CBA rating level and a date code spanning no more than a 12-month period, plus or one month and commencing with the beginning of each calendar year (effective for both the beginning and ending of each period). The Plant Code would only be required when there is more than one plant with an IGCC Certified Product operating under that company name. The labeling must be approved by the Administrator. (Adopted 8/28/86)

CLASS IV - EQUIVALENCY**G.5 - Gray Area**

Situations that are not included in the "Always" or "Never" categories listed above, fall into the gray area. The gray area situation is covered by minutes item 10.10.77.10 and is repeated here.

When there is a change and the licensee desires to use the same IGCC number, the licensee shall:

- 1) immediately notify the administrator with all details of the change and -
- 2) establish equivalency by passing the same level of ASTM test as certified to by:
 - a) having specimens tested at an IGCC independent testing laboratory or
 - b) having specimens tested at an in house (licensee) facility or
- 3) demonstrate the equivalency of the change to the satisfaction of the certification committee or a subcommittee. (Specimens not required.)

Specimens must be fabricated and submitted to the laboratory within two weeks after notification of the administrator. During the test period, the licensee may temporarily use the certification label on a provisional basis.

Testing done in house by a licensee must be done under the surveillance of the administrator.

G.21 - Transfer

If a licensee manufactures the same model using the same technology, at a different location, a certification number with a temporary status will be issued, provided that within sixty days a test be initiated. The model must pass the same level of test as the original model and shall be treated as a routine retest except appeals, reviews and reconsiderations will not be available.

G.23

A licensee needs to establish equivalency for a model only once.

G.24

Special note should be taken that the ASTM E773 test method only provides testing for "vision glass areas." As such, it is only these types of units that fall within the IGCC Certification Program. This, however, in no way precludes the ultimate use of these units in other applications; e.g. Spandrel units. (Adopted 8/28/86) Labeled spacer may be used in IG units, other than vision glass; but in that case, certification does not apply. (Adopted 4/16/91)

CLASS V - APPEALS, REVIEWS AND DE-CERTIFICATION**G.13 - Monetary**

The administrator shall remove authorization to use the IGCC permanent label from all of any licensees products for failure to pay monies due to IGCC within 60 days of invoice date (reference License Agreement A.13 and B.6).

G.16 - Appeals

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

- a) Upon notification of failure of routine test samples to reach the certified level, the licensee will be officially notified by certified mail; return receipt requested. Within 15 days the licensee must respond to the certified letter stating a retest fabrication is requested by paying all required administrative and test fees. If there is no response within 15 days, authorization to use the IGCC permanent label will be removed.

If the retest option is accepted:

- 1) Request for retest option is granted by IGCC only by receipt in full of any administrative and retest fees within 15 days of date of mailing of the notification of failure. 2) IGCC will perform an inspection and witness fabrication of retest specimens within 45 days of payment of fees in 1) above. 3) Licensee must ship and deliver retest specimens to the testing laboratory within 7 days of fabrication. (Copy of shipping papers and delivery receipt must be received by IGCC within 14 days of fabrication of retest specimens.)
 - b) There is to be no change in certification status during the retest period.
 - c) All routine inspections will continue. Sample fabrication for subsequent routine testing of the questionable model will be suspended pending the outcome of the retest.
 - d) If the retest units comply, they shall be considered as the next routine test.
 - e) If the retest units fail, the licensee is issued a cease and desist order on use of the label immediately.
 - f) The licensee may choose to accept certification at any level passed by the retest, although it might be a lower level than originally desired.

G.20

Authorization to use the IGCC permanent label will be removed if a routine inspection discloses that a licensee is labeling units containing the same unauthorized construction for the third time.

G.22

Clarification of due process appeal process under License Agreement, Paragraph A.11:

A Licensee's appeal from a final adverse decision by the Administrator, under License Agreement Paragraph A.11, shall in the first instance be to the Quick Action Subcommittee of the Certification Committee, which acts as an executive committee for the Certification Committee in order to provide a prompt hearing for the Licensee and to act on the Licensee's appeal as quickly as possible. A decision by the Quick Action Subcommittee favorable to the Licensee shall be a final decision. A decision by the Quick Action Subcommittee adverse to the Licensee may be appealed to the full Certification Committee for a due process review and hearing. Such an appeal to the Certification Committee must be made in writing within 30 days of an adverse decision by the Quick Action Subcommittee and this appeal will be heard at the next regularly scheduled meeting of the Certification Committee. Pending a hearing by the Certification Committee on such an appeal, the Licensee may maintain certification for the product at issue.

IGCC® APPROVED LABORATORIES PRESENTLY CONDUCTING TESTS
IN ACCORDANCE WITH ASTM E773-88 & E774-88

LABORATORIES

Architectural Testing Inc
130 Derry Ct
York PA 17402-9405
Attention: Scott A. Warner

Telephone 717-764-7700
Fax 717-764-4129

Architectural Testing Inc
587 First St S W
New Brighton MN 55112
Attention: Daniel P. Braun

Telephone 612-636-3835
Fax 612-636-3843

SHIP TO: Jim Spetz Testing Laboratory
29633 Lakeland Blvd
Wickliffe OH 44092
Attention: James L. Spetz, P. E.

MAIL TO: Jim Spetz Testing Laboratory
29308 Armadale Ave
Wickliffe OH 44092
Attention: James L. Spetz, P. E.

Telephone 216-944-3665
Fax 216-944-3671

Inchcape Testing Services/ Warnock Hersey
8431 Murphy Dr
Middleton WI 53562
Attention: Rick Curkeet

Telephone 608-836-4400
Fax 608-831-9279

Inchcape Testing Services/ Warnock Hersey International Inc
530 Garcia Ave
Pittsburg CA 94565
Attention: Vijay Ruikar, P. E.

Telephone 510-432-7344
Fax 510-432-3576



3933 US ROUTE 11
P.O. BOX 2040
CORTLAND, N.Y. 13045-0950
PHONE 607-753-6711
FAX 607-756-9891

Adopted: May 13, 1977
Revised: August 1, 1981
Revised: January 15, 1986

3933 U.S. Rt. 11
Cortland, NY 13045-0950
607-753-6711

PARTICIPANT'S AGREEMENT

I have read the PURPOSES of the INSULATING GLASS CERTIFICATION COUNCIL and hereby declare that I have a legitimate interest in the goals of the Council. I further declare that I do not manufacture insulating glass units nor am I employed by any company which is in such manufacturing business; as such I do not qualify to become a Licensee of the Insulating Glass Certification Council.

In view of the above declaration, I wish to be recognized as a "participant" in the Insulating Glass Certification Council.

Print Name: _____ Date: _____

Address: _____ Phone: _____

City: _____ State: _____ Zip: _____

My interest in the Council is: _____

Signature: _____

ARTICLE II

SECTION I - PURPOSES

The purposes of the Insulating Glass Certification Council shall be:

1. Promote public benefit by encouraging maintenance of the highest standards of excellence in the manufacture of insulating glass.
2. To encourage and cooperate in developing standards related to performance characteristics of insulating glass products.
3. To plan, organize, direct, coordinate and sponsor a certification program for insulating glass manufacturers to assure that their products meet applicable standards and/or performance requirements, adopted or approved by the Council.

ANNUAL FEE

The annual fee for a participant will be \$350.00 per company.

There will be no fee for public interest or consumer participants.

CREDIBILITY IN CERTIFICATION THROUGH ACTIVE PUBLIC PARTICIPATION.

Credibility in Certification through Active Public Participation.



3933 US ROUTE 11
P.O. BOX 2040
CORTLAND, N.Y. 13045-0950
PHONE 607-753-6711
FAX 607-756-9891

IGCC DIRECTORY ORDER FORM

PLEASE SEND . . . _____ copies of IGCC® Certified
Products Directory at \$2.00/copy = \$ _____ to:

_____ Name

_____ Company

_____ Address

_____ City State Zip Code

CHECK MUST ACCOMPANY ORDER AND BE MADE PAYABLE TO IGCC.

SPECIFICATION USED FOR SEALED INSULATING GLASS

ASTM E774-88

Specification may be obtained by
writing to . . .

ASTM
1916 Race St
Philadelphia PA 19103

The program requires that the manufacturer shall certify and permanently label all sealed insulating glass units to class (C, CB, or CBA) through the Insulating Glass Certification Council (IGCC) program.

INSULATING GLASS
IGCC[®]
CERTIFICATION COUNCIL

3933 US Route 11
P.O. Box 2040
Cortland, NY 13045-0950

ADDRESS CORRECTION REQUESTED

POSTAGE MUST BE
AFFIXED HERE

U. S. POSTAGE
PAID
BULK RATE
PERMIT NO. 588
BINGHAMTON, N.Y.

IF NOT MAILED IN
BINGHAMTON, NEW YORK