

IGCC CERTIFIED PRODUCTS - ALPHABETICAL BY PLANT

<u>LICENSEE</u>	<u>IGCC NUMBER</u>	<u>ASTM STANDARD</u> <u>E774 / E2190</u>	<u>FRAME CONSTRUCTION</u>	<u>SUBSTRATE</u>	<u>SPACER</u>	<u>DESICCANT</u>	<u>SEALANT</u>	<u>GAS FILL</u>
A.L. Smith Company, Inc. 2190 Urbana Pike Ijamsville, MD 21754 (301) 831-1960 ALS 110405 IGCC © 1757 CBA '06	1757	CBA	BC3/PLJ/ASM	U	AA	MS	PB/PU	
ACI Distribution 12900 Nicholson Road Dallas, TX 75381-5547 (972) 484-3691 ACI DISTRIBUTION 140 IGCC® E2190 '06	703	Yes	BC4/GSJ	U	AA	MS	PB/SI	
ACI Distribution 2710 Patterson Street Greensboro, NC 27407 (800) 729-3909 ACI DISTRIBUTION IGCC © CBA '06	1761 1831	CBA Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/SI PB/MPU	
ACI Distribution 3333 Holly Hall Houston, TX 77054 (713) 747-5430 ACI DISTRIBUTION IGCC © E2190 '06	2075	Yes	MC4/PLK	U	AA	MS	PB/SI	
ACI Distribution 1875 Ord Way Oceanside, CA 92056 (760) 631-6643 ACI DISTRIBUTION IGCC © CBA '06	2212 2239	Yes CBA	MC4/GSK BC4/GS/PLK	U U	AA AA	MS MS	PB/MPS PB/SI	
ACI Distribution 555 Zephyr Street, Bldg. A Stockton, CA 95206-4202 (209) 234-6172 ACI DISTRIBUTION IGCC © E2190 '06	1993 2241	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	BL BL	PB/MPS PB/SI	
AFG Fabrication 5807 Business Park San Antonio, TX 78218 (210) 653-7790 IGCC © CBA '06	2213		BC3/PLKJ	U	AA	MS	PB/MPS	

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AFG Fabrication Commercial 8017 Edith Blvd. Albuquerque, NM 87113 (505) 898-1460 AFGD 17 IGCC @ E2190 CBA '06	1285 1952	Yes CBA	MC4/PLK MC4/PLK	U U	MA MA	MS MS	PB/MPS PB/SI	
AFG Fabrication Commercial 1201 Hwy 67 E Alvarado, TX 76009 (817) 477-1144 AFGD 24 IGCC @ E2190 '06	1789 1790	Yes Yes	BC4/PLJ BC4/PLJ	U U	MA MA	BL BL	PB/MPS PB/SI	
AFG Fabrication Commercial 3350 Ball St. Birmingham, AL 35224 (205) 841-6785 AFGD 03 IGCC @ E2190 '06	1871	Yes	BC4/PLJ	U	AA	BL	PB/MPS	
AFG Fabrication Commercial 4041 Remi Place Burnaby, BC V5A 4J8 Canada (604) 420-3600 AFGD BURNABY BC IGCC@ E2190 '06	1491	Yes	MC4/PLK	U/C	MA	BL	PB/SI	
AFG Fabrication Commercial 575 Currant Rd. Fall River, MA 02720 (508) 675-9220 AFGD 7 IGCC @ E2190 '06	1339	Yes	BC4/SSJ	U	AA	BL	PB/PS	
AFG Fabrication Commercial 160 N. High Street Hebron, OH 43025-0220 (740) 929-2443 AFGD 15 IGCC @ E2190 '06	1825 1864	Yes Yes	MC4/PLK/ASM MC4/PLK/ASM	U/C U	AA AA	BL BL	PB/PS PB/SI	
AFG Fabrication Commercial 6600 Suemac Pl. Jacksonville, FL 32254-2792 (904) 786-6611 AFGD 02 IGCC @ E2190 '06	1447 1456	Yes Yes	BC4/PLK MC4/PLK	U U	AA AA	BL BL	PB/MPS PB/SI	
AFG Fabrication Commercial 2522 Westcott Blvd. Knoxville, TN 37923 (865) 691-2040 AFGD 05 IGCC @ E2190 '06	2063 2220	Yes Yes	BC4/GSJ BC4/GSJ	U U	MA MA	BL BL	PB/PS PB/SI	

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AFG Fabrication Commercial 3200 Austell Rd. Marietta, GA 30060 (770) 434-2041 AFGD 01 IGCC @ CBA '06	1644 2093	Yes	BC4/GSJ/AP MC4/PLK	U/C2 U/C2	AA AA	MS MS	PB/SI PB/MPS	
AFG Fabrication Commercial 6200 Gorman Rd. Richmond, VA 23231 (804) 222-0120 AFGD 10 IGCC @ CBA '06	2098 2099	Yes Yes	MC4/PLK MC4/PLK	U U	MA MA	BL BL	PB/PS PB/SI	
AFG Fabrication Commercial 3515 South 300 West Salt Lake City, UT 84115 (801) 268-2521 AFGD 19 IGCC@ E2190 '06	1678 2211	CBA Yes	MC4/PLK MC4/PLK	U U	AA AA	BL MS	PB/MPS PB/MPS	
AFG Fabrication Commercial 803 Prestige Pkwy Scotia, NY 12302 (518) 374-3812 AFGD 09 IGCC @ CBA '06	1737	CBA	MC4/PLK/ASM	U	AA	BL	PB/PS	
AFG Fabrication Commercial 8531 E. 44th Street Tulsa, OK 74145 (918) 665-6655 AFGD 15 IGCC @ CBA '06	1960	CBA	MC4/PLK	U	AA	MS	MPU/HMB	
AFG Fabrication Residential 365 McClurg Road-Suite E Boardman, OH 44512 (330) 965-1000 AFGI-61 IGCC @ E2190 CBA '06	1309 1310 1845 1969	Yes Yes Yes Yes	MC4/PLK BC3/ASM BC3/ASM BC/ASM/AP	U U U U/C2	AA BSS FS TS	MS BSS FS DM	PU BSS HMB HMB	
AFG Fabrication Residential 1508 George Brown Drive Marshall, MI 49068 (269) 789-1267 AFGI-64 IGCC @ E2190 CBA '06	1734 1735 1782	Yes Yes Yes	BC4/ASM BC3/ASM BC3/ASM	U U U	TS BSS FS	DM BSS FS	PUMS BSS HMB	
AFG Fabrication Residential 480 California Road Quakertown, PA 18951 (215) 538-9424 AFGI-63 IGCC @ CBA '06	1626 1629 1784	Yes Yes Yes	BC4/AP MC4/PLK BC3/MT	U U U	TS AA FS	DM MS FS	PUMS PU PU	

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AFG Fabrication Residential 207 Watlington Industrial Rd. Reidsville, NC 27320 (336) 342-3878 AFGI-62 IGCC ® E2190 CBA '06	1958 1961 2007	Yes CBA Yes	BC3/ASM BC3/ASM MC4/PLK	U U U	TS BSS AA	DM BSS MS	PUMS BSS PB/PU	
AFG Fabrication Residential 813 Palmyrita Court Riverside, CA 92507 (951) 321-0116 AFGI-65 IGCC ® E2190 '06	1776	Yes	BC4/AP/ASM	U	TS	DM	PUMS	
Alpen Glass 5400 Spine Road Boulder, CO 80301 (303) 530-1150 AGL IGCC ® CBA '06	1939 1951	CBA CBA	BC2/MC2/PLK BC2/MC2/PLK	U/SCF U/SCF	TS/TS TS/TS	MS MS	PB/PU PB/SI	
Alside Window Co-Midwest 3820 44th Ave. SW Cedar Rapids, IA 52401 (319) 390-4237 AWCMW IGCC ® E2190 '06	1133	Yes	BC4/ASM	U	TS	DM	HMB	
Alside Window Co-SE 3800 Farmgate Road Kinston, NC 28501 (252) 527-5050 AWCSE IGCC ® E2190 '06	1148 2068	Yes Yes	BC3/ASM BC4	U U	TS FS	DM FS	HMB HMB	
Alside Window Co-SW 7550 E. 30th St. Yuma, AZ 85365 (928) 344-6500 AWCSW IGCC ® CBA'06	2070 2216	CBA	BC4/ASM BC3/HMB	U U	TPS BCS	DM BCS	HMB BCS	
Arch Aluminum & Glass Co. 19430 East San Jose St. City of Industry, CA 91730 (909) 594-0235 CICA IGCC ® E2190 '06	1976 1977	Yes Yes	MC4/PLK MC4/PLK	U U/C1	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass Co., Inc. 11950 E. 33rd Ave. Aurora, CO 80010 (303) 340-4290 Aurora CO IGCC ® W31 E2190 '06	1990 1991	Yes Yes	MC4/PLK/ASM/CT MC4/PLK/ASM/CT	U U	AA AA	MS MS	PB/SI PB/MPS	

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		<u>E774</u>	<u>/ E2190</u>						
Arch Aluminum & Glass L.C. 750 Cardinal Drive Bridgeport, NJ 08014 (800) 237-5148 BPNJ ARCH IGCC ® CBA '06	1590 1591	CBA	Yes	BC4/LK MC4/PLK	U U	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass L.C. 297 Ascot Parkway Cuyahoga Falls, OH 44223 (330) 923-3726 Cuyahoga Falls IGCC ® E2190 '06	1756 1763		Yes Yes	BC4/TP/SJ BC4/TP/SJ	U/C U/C	MA MA	MS MS	PB/SI PB/MPS	
Arch Aluminum & Glass L.C. 7701 W. New York St. Indianapolis, IN 46214 (800) 876-0646 Indianapolis IN IGCC ® E2190 '06	1323 2002		Yes Yes	MC4/PLK/ASM MC4/PLK	U/C2 U/C2	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass L.C. 2030 N.W. Progress Parkway Jackson, MS 39213 (800) 815-5658 Jackson MS IGCC ® E2190 '06	1361 1883		Yes Yes	BC4/GS/PLJ BC4/GS/PLJ	U/C U/C	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass L.C. 41 Osage Avenue Kansas City, KS 66105 (800) 676-8199 Kansas City IGCC ® E2190 '06	1755 1972		Yes Yes	BC4/GSJ/ASM BC4/GSJ/ASM	U/C U/C	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass L.C. 3320-B Maggie Blvd. Orlando, FL 32811 (800) 367-7211 ORL IGCC ® E2190 CBA '06	1821 1908		Yes Yes	BC4/MC/GSJ BC4/MC/GSJ	U/C1 U/C	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass L.C. 1825 S. 43rd Avenue Phoenix, AZ 85009 (800) 854-8022 PHOENIX AZ IGCC ® E2190 '06	1597 1598		Yes Yes	MC4/PLK/ASM MC4/PLK/ASM	U U	AA AA	MS MS	PB/SI PB/MPS	
Arch Aluminum & Glass L.C. 540 Industrial Court West Villa Rica, GA 30180 (800) 241-7462 Villa Rica GA IGCC ® E2190 '06	1885 2254 2255		Yes Y	MC4/PLK/ASM MC4/PLK/ASM MC4/PLK/ASM	U U/C U/C	MA AA AA	MS MS MS	PB/SI PB/MPS PB/SI	

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Arch Aluminum & Glass L.C. W226 N758 Eastmound Drive Waukesha, WI 53186 (800) 242-2071 IGCC ® E2190 Waukeshaw WI '06	1468 1775	Yes Yes	BC4/PLJ/ASM MC4/PLK/ASM	U/C U/C	MA MA	MS MS	PB/SI PB/MPS	
Arch Aluminum & Glass L.C. 400 Park Avenue Youngsville, NC 27596 (919) 554-1993 Youngsville NC IGCC ® E2190 '06	1485 1647	Yes Yes	MC4/PLK/ASM MC4/PLK/ASM	U/C U	AA AA	MS MS	PB/MPS PB/SI	
Arch Tempered Glass Products 4400 Cambridge Road Fort Worth, TX 76155 (800) 571-4832 Dallas IGCC ® E2190 CBA '06	1749 1750	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/SI PB/MPS	
Architectural Glass Products, LLC. 6200 Maple Avenue St. Louis, MO 63130 (314) 725-8088 Architectural Glass Products, LLC IGCC ® E2190 '06	1664	Yes	BC3/PLK	U	AA	BL	PB/PU	
Architectural Window Mfg. Corp. 359 Veterans Blvd. Rutherford, NJ 07070 (201) 939-2200 AWM IGCC ® E2190 '06	1579	Yes	BC4/GSJ	U	AA	MS	PB/SI	
Berkowitz J. E., LP Delsea Dr. & Harvard Dr. Westville, NJ 08093 (856) 456-7800 JEB IGCC ® E2190 '06	1565 2036	Yes Yes	BC3/PLK MC4/PLK	U U	AA AA	MS MS	PB/SI PB/SI	
Brin Northwestern Glass Co. 2300 N. 2nd Street Minneapolis, MN 55411 (612) 529-9671 BV IGCC ® E2190 '06	1580	Yes	BC4/SSK/AP/ASM	U/C	MA	MS	PB/PU	Yes
Cardinal IG 1109 N. Jefferson Casa Grande, AZ 85222 (520) 421-9670 CIG-1 IGCC ® E2190 '06	1983 2200	Yes Yes	BC4/PLJ/ASM BC4/ALJ	U/C2 U/C2	SS AA	MS MS	PB/SI PB/SI	

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Cardinal IG 4611 15th Ave N.W. Fargo, ND 58102 (701) 492-0920 CIG-6 IGCC @ CBA '06	1464 1492	CBA Yes	BC4/PLK/SS/ASM BC4/ALJ/AF/ASM	U/C U/C	SS AA	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG 301 E. McSwain Drive Fremont, IN 46737 (260) 495-4105 CIG-5 IGCC @ E2190 '06	1452 1453	Yes Yes	BC4/GSJL/ASM BC4/ALJ/AF/ASM	U/C1 U/C1	AA SS	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG Iowa 25 N. Greenfield, IA 50894 (641) 343-7113 CIG-2 IGCC @ E2190 '06	1030 1276	Yes Yes	BC4/PLJ/ASM BC4/ALJ/ASM	U/C U/C	SS AA	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG 3125 Neal Creek Mill Road Hood River, OR 97031 (541) 354-1280 CIG-9 IGCC @ E2190 '06	1923 1924	Yes Yes	BC4/ALJ/ASM BC4/PLJ/ASM	U/C U/C	AA SS	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG 50 Elm Rd. Mountain Top, PA 18707 (570) 474-3109 IGCC @ E2190 '06	2221 2222	Yes Yes	BC4/ALJ/ASM BC4/PLK/ASM	U/C U/C	AA SS	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG 1011 E. Madison St. Spring Green, WI 53588 (608) 588-7415 CIG-3 IGCC @ E2190 '06	1036 1306	Yes Yes	BC4/PLK/AF/ASM BC4/ALJ/AF/ASM	U/C2 U/C2	SS AA	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG 1620 Town Line Rd. Tomah, WI 54660 (608) 372-3300 CIG-4 IGCC @ E2190 '06	1039 1295	Yes Yes	BC4/PLK/ASM BC4/ALJ/AF/ASM	U/C2 U/C2	SS AA	MS MS	PB/SI PB/SI	Yes Yes
Cardinal IG 2132 Cardinal Park Drive Vinton, VA 21179 (540) 892-5600 CIG-10 IGCC @ E2190 '06	1970 1971	Yes Yes	BC4/PLK/ASM BC4/ALJ/ASM	U/C U/C	SS AA	MS MS	PB/SI PB/SI	Yes Yes

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Cardinal IG 201 Cardinal Road Waxahachie, TX 75165 (972) 937-4969 CIG-8 IGCC @ E2190 E2190 '06	1574 1718	Yes Yes	BC4/ALJ BC4/PLJ	U U/C	AA SS	MS MS	PB/SI PB/SI	 Yes
Classic Glass of Battle Creek Inc. 21472 M-37 Battle Creek, MI 49017 (269) 968-2791 CLASSIC GLASS IGCC @ CBA '06	1004 1010 1779	Yes Yes Yes	BC4/GS/J BC4/GS/J BC4/GS/J	U U U	AA AA TBS	MS MS MS	PB/PS PB/SI PB/PS	
Coastal Glass Distributors 7421 E. Spartan Blvd. Charleston, SC 29418-8462 (843) 552-6377 CGD IGCC @ E2190 '06	1366	Yes	BC3/ASM	U	FS	FS	HMB	
Craftsman Fabricated Products 4822 Southerland Houston, TX 77092 (713) 353-5800 CFP IGCC @ E2190 '06	1867 1868	Yes Yes	BC3/PLJ/MAJ BC3/PLJ/MAJ	U U	MA MA	MS MS	PB/PS PB/SI	
Crystal Window & Door Systems, Ltd. 31-10 Whitestone Expressway Flushing, NY 11354 (718) 961-7300 CWDI IGCC@ CBA '06	1732	CBA	BC3/SS	U	TS	DM	HMB	
Custom Glass Prod. Of Carolina 1475 Harrison Rd. Salisbury, NC 28144 (704) 633-4946 CGPC IGCC @ E2190 '06	918	Yes	BC3/PLK	U	AA*	MS	PB/PU	
Custom Glass Products Inc. 5906 Mester St. Schofield, WI 54476 (715) 359-2252 CGP IGCC @ CBA '06	1964	CBA	MC4/PLK	U	AA	MS	PB/SI	

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Desert Glass Products 4700 Engineers Way Suite 101 North Las Vegas, NV 89031 (866) 657-8090 DESERT GLASS IGCC ® CBA '06	1919 1920	CB CBA	MC4/PLK MC4/PLK	U U	AA AA	BL BL	PB/MPS PB/SI	
Dlubak Corporation 520 Chestnut St. Blairsville, PA 15717 (724) 459-9540 DLUBAK IGCC ® E2190 '06	1996	Yes	MC4/PLK	U	AA	MS	PB/SI	
Dubuque Glass Company, Inc. 801 Cedar Cross Rd. Dubuque, IA 52003 (563) 582-5475 DGC IGCC ® CBA '06	1767	CBA	MC4/PLK	U	AA	MS	RHMB	
Eckelt Glas GmbH ResthofstraBe 18 Steyr, A4403 Austria (430) 725-2894 IGCC ® CBA '06	2228 2229 2230		BC4 BC4 BC4	U/C U/C U/C	AL SS SS	MS MS MS	PB/PS PB/PS PB/SI	Yes Yes Yes
Edge Seal Technologies, Inc. 6750 Vistoria East Austintown, OH 44515 (330) 793-7677 EST IGCC ® E2190 1200 '06	1200	Yes	BC3/AP/ASM	U/C3	TS	DM	HMB	Yes
Edge Seal Technologies, Inc. 125 E. Steels Corners Rd. Cuyahoga Falls, OH 44223 (330) 922-3944 EST 2026 IGCC ® E2190 '06	2026	Yes	BC4/AP/ASM	U/C	TS	DM	HMB	Yes
Edge Seal Technologies, Inc. 6705 Wales Road Northwood, OH 43619 (419) 661-9395 EST IGCC ® E2190 '06	2238	Yes	BC3/AP/ASM	U/C	TS	DM	RHMB/HMB	Yes

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Edge Seal Technologies, Inc. 7850 Northfield Rd. Walton Hills, OH 44146 (440) 439-0980 EST IGCC @ E2190 CBA '06	1268 1606 1724 1788	Yes Yes Yes Yes	BC3/AP/ASM BC3/MC1/ASM BC3/AP/ASM BC3/AP/ASM	U U/C2 U U/C	TS FS TS TS	DM FS DM DM	HMB HMB RHMB PB/PU	Yes Yes Yes
GGI Glass Distributors Corp. 101 Venture Way Secaucus, NJ 07096 (201) 553-1850 GGI IGCC @ E2190 '06	1963	Yes	MC4/PLK/ASM	U	AA	MS	PB/SI	
Glass Dynamics 8901 220 Bypass Stoneville, NC 27048 (336) 573-2393 GDI IGCC @ E2190 '06	1925	Yes	BC4/SSJ/ASM	U	MA	MS	PB/SI	Yes
Glass Enterprises Inc. 2277 New York Avenue Bensalem, PA 19020 (215) 638-1007 Beta-Pane IGCC @ 1436 CBA '06	1436	Yes	MC4/PLK	U	AA	MS	PB/PU	
Glass Professionals 700 New York Avenue Des Moines, IA 50313 (515) 288-7427 GP IGCC @ 1747 E2190 '06	1975	Yes	B4C/SS/ASM	U	MA	MS	PB/MPS	
Glass-Tex 5434 Farmers Market 1488 Magnolia, TX 77354 (800) 348-0282 GTI 1658 IGCC @ CBA '06	1988	CBA	MC4/PLK	U	AA	MS	PB/MPS	
Glenny Glass Co. 11310 Williamson Road Cincinnati, OH 45262 (800) 535-2133 GLG IGCC @ CBA '06	1826 2233	CBA	BC3/PLK PLK	U U/C	MA MA	MS MS	PB/PS PB/MPS	No
Global Security Glazing 616 Selfield Road Selma, AL 36703 (334) 875-1900 GLOBAL IGCC @ E2190 '06	2003	Yes	MC4/PLK	U/C2	MA	MS	PB/SI	

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Graham Architectural Products 1551 Mt. Rose Ave. York, PA 17405 (717) 849-8100 GRAHAM IGCC ® E2190 '06	1428	Yes	BC4/SSJ	U	AA	MS	PB/SI	
Gulf Glass Industries, LLC 13th Industrial Area Sharjah, United Arab Emirates (971) 653-8550 GGI IGCC ® 1710 CBA '06	1710	Yes	MC4/ALJ	U	MA	MS	PB/SI	
Harvey Industries, Inc. 725 Huse Road Manchester, NH 03103 (800) 633-8500 HII-1 IGCC ® E2190 '06	1531 2205	Yes	BC3/AP/ASM BC3/BSS	U U	TS Edgetherm	DM BSS	HMB BSS/PUMS	
Harvey Industries, Inc. 7 LedgeWood Boulevard North Dartmouth, MA 02747 (508) 998-9779 HII-3 IGCC ® E2190 '06	1625	Yes	BC3/AP/ASM	U	TS	DM	HMB	
Harvey Industries, Inc. 570 Cottage Road Springfield, MA 01104 (413) 788-0066 HII-4 IGCC ® CBA '06	1533	Yes	BC3/AP/ASM	U	TS	DM	HMB	
Hehr Glass Company 1021 Walnut Ave. Pomona, CA 91766 (909) 628-5557 HEHR Glass 1752 IGCC ® E2190 CBA '06	1752 1796	Yes Yes	MC4/PLK MC4/PLK	U/C1 U/C1	AA AA	BL BL	PB/SI PB/PU	
Hurd Windows and Doors, Inc. 1815 Water St. Merrill, WI 54452 (715) 536-5755 HWDI IGCC® E2190 '06	1815 1816 1818	Yes Yes Yes	BC4/GSJ/ASM BC4/ASM BC4/ASM	U/C2 U/C2 U/C2	AA TS SS	MS DM DM	PB/MPU MPU MPU	Yes Yes Yes
Impact Safe Glass Co. 2705 N. 35th Street Tampa, FL 33605 (813) 247-5528 ISG IGCC ® E2190 '06	1899	Yes	BC3/ASM	U	BCS	BCS	BCS/HMB	

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Insulite Glass Co., Inc. 780 W. Frontier Circle Olathe, KS 66063-0803 (913) 780-2233 ISL IGCC ® 1702 E2190 '06	1702 2008	Yes Yes	BC3/GSJ/ASM BC4/GSJ/ASM	U U	MA MA	MS MS	PB/SI PB/PS	
Insulpane of Connecticut Ind. 30 Edmond St. Hamden, CT 06517 (203) 865-8212 INSULPANE CT IGCC ® CBA '06	1966 2208	CBA CBA	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/PS PB/HMB	
JELD WEN Windows & Doors; Hawkins Div. PO Box 140 Hawkins, WI 54530 (715) 585-6311 NORCO IGCC ® E2190 '06	1415	Yes	BC3/MT	U	FS	FS	PU	
JELD-WEN Windows & Doors; Ringtown Division W. Main Street Ringtown, PA 17967 (570) 889-3173 JW-12 IGCC ® E2190 '06	1751	Yes	BC3/ASM	U	TS	DM	PUMS	
Jersey Tempered Glass, Inc. 2035 Briggs Rd. Mt. Laurel, NJ 08054 (856) 273-8700 JTG IGCC ® E2190 '06	689 750	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PU PB/PU	
Louisville Plate Glass 1401 W Broadway Louisville, KY 40201 (502) 584-6145 LPG IGCC ® E2190 '06	1281 1603	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/SI PB/MPS	
Mannix; Div of Interstate Window 345 Crooked Hill Road Brentwood, NY 11717 (631) 231-0800 MANNIX IGCC ® E2190 1746 '06	1746	Yes	MC4/PLK	U/C	AA	MS	PB/PU	

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Marvin Windows PO Box 100 Warroad, MN 56763 (218) 386-1430 MARVIN 01 IGCC ® E2190 '06	1848	Yes	MC4/PLK	U	AA	MS	PB/PU	
Mid-American Glass 147 S. Sturdevant St. Davenport, IA 52808-3428 (563) 326-6294 Mid American IGCC ® E2190 '06	1542 2091	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	BL BL	PB/RHMB PB/PUMS	
Nashville Tempered Glass Corp. 1860 Air Lane Drive Nashville, TN 37210 (800) 228-3729 NTGC IGCC ® E2190 '06	1117 1184	Yes Yes	BC3/PLK BC3/PLK	U U	AA MA	MS MS	PB/PU PB/PU	
Nashville Tempered Glass LLC 1241 Avondale Dr. Hendersonville, TN 37075 (800) 228-3729 NTGC IGCC ® E2190 '06	2062	Yes	BC4/SK	U	AA	MS	PB/PS	
Northern Building Products, Inc. 111 Central Ave. Teterboro, NJ 07608 (201) 943-6400 NBP IGCC ® CBA '06	1973	Yes	BC4	U	BSS	BSS	BSS	
Northwest Glass, Inc. 127 Regal St. Billings, MT 59104 (406) 252-7196 NWG IGCC® CBA '06	865 1853	Yes	PLK/ASM PLK/ASM	U U	AA AA	BL BL	PU PUMS	
Northwestern Inds, Inc. 2501 Commodore Way Seattle, WA 98199 (206) 285-3140 NWI Sea WA IGCC® E2190 '06	1635	Yes	BC2/MC2/PLK	U	MA	MS	PB/SI	
Northwestern Inds, Inc. East 30th Street Yuma, AZ 98365 (206) 285-3140 N.W.I. IGCC ® E2190 '06	2249	Yes	BC4/SJ	U	MA	MS	PB/SI	

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NY Glass Products, Inc. 45 Doat Street Buffalo, NY 14211 (716) 891-1000 NY Glass IGCC ® 1586 CBA '06	1586	CBA	PLK/ASM	U	AA	MS	PB/PS	
ODL, Inc. 215 E. Roosevelt Avenue Zeeland, MI 49464 (616) 772-9111 ODL IGCC ® E2190 CBA '06	1783	Yes	MC4/PLK/ASM	U	AA	MS	MPS	
	1892	Yes	BC3/BCS	U	BCS	BCS	BCS	
ODL, Inc., Vidrio Decorativo Occidental S. A. de C. V. Poniente 4 Entre Borte 7 y Gral Pedro Hinojosa Ciudad Industrial H. Matamoros Tamps., Mexico (868) 812-9152 VDO IGCC ® E2190 CBA '06	1944	Yes	MC4/PLK	U	AA	MS	HMB	
	1946	Yes	BC3/ASM	U	BCS	BCS	BCS	
	1947	Yes	BC3/ASM	U	BSS	BSS	BSS	
	1948	Yes	MC4/PLK	U	AA	MS	HMB	
ODL, Inc., ZhongXin Meili Town Changshu City, 215500 China (616) 748-5401	2055	Yes	MC4/PLK/ASM	U	AA	MS	MPS/HMB	
OKALUX GmbH Am Jospershecklein 1 97828 Marktheidenfeld-Atfeld Deutschland, Germany OKA IGCC ® E2190 '06	1866	Yes	BC4/PJL	U/C	MA	MS	PB/SI	
Oldcastle Glass CPG 300 Cooperative Way Wright City, MO 63390 (636) 745-3030 Oldcastle 35 IGCC ® E2190 '06	2043	Yes	BC4/MC1/GSJ	U/C	MA	MS	PB/SI	Yes
	2206	Yes	BC4/GSJ	U/C	SS	MS	PB/SI	Yes
Oldcastle Glass Albertville 5334 Barthel Drive Albertville, MN 55301 (763) 497-3212 Oldcastle 22 IGCC ® E2190 '06	1968	Yes	BC4/PLK/ ASM	U/C2	MA	MS	PB/SI	

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Oldcastle Glass Bensenville 1001 Foster Ave. Bensenville, IL 60106 (630) 595-3750 Oldcastle 23 IGCC @ E2190 '06	1641 1823	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/MPS PB/SI	
Oldcastle Glass Burnips 4257 30th St. Burnips, MI 49314 (616) 896-8341 Oldcastle 28 IGCC @ E2190 CBA '06	732 1424	Yes Yes	MC4/PLK MC4/PLK	U/C2 U	AA AA	MS MS	PB/SI PB/PU	
Oldcastle Glass Calgary 3815 - 72 Avenue SE Calgary, AB T2C2K3 Canada (403) 279-2544 Oldcastle IGCC @ E2190 '06	2033 2034 2210	Yes Yes Yes	MC4/PLK/AP/AS MC4/PLK/AP/AS BC3/MT/AP/ASM	U/U/C U/U/C U/U/C	AA/AA AA/AA FS/FS	MS MS FS	PB/SI PB/MPS HMB	Yes Yes Yes
Oldcastle Glass Cheshire 224 Sandbank Rd. Cheshire, CT 06410 (203) 272-2211 Oldcastle 16 IGCC @ E2190 '06	1736	Yes	BC3/SSK/PLK	U	MA	MS	PB/SI	
Oldcastle Glass Chicago 4161 S Morgan St. Chicago, IL 60609 (773) 523-8400 Oldcastle 24 IGCC @ E2190 CBA '06	1289 1986 1987	CBA Yes Yes	BC4/PLK/ASM PLK/ASM BC4/PLK	U U U	AA AA AA	MS MS MS	PB/RHMB RHMB PB/SI	
Oldcastle Glass Cleveland 15601 Brookpark Road Brook Park, OH 44142 (216) 676-6920 Oldcastle 86 IGCC @ E2190 '06	1585 1729	Yes Yes	MC4/PLK/ASM/A MC4/PLK/ASM/A	U/C1 U/C1	AA AA	MS MS	PB/SI PB/PU	
Oldcastle Glass Denver 11205 E. 37th Ave. Denver, CO 80239 (303) 371-5511 Oldcastle 71 IGCC @ E2190 CBA '06	932 1496 1940	Yes Yes Yes	BC2/PLK BC3/PLK BC3/ASM	U/C2 U/C2 U/C2	AA AA FS	MS MS FS	PB/SI PB/MPS PUMS	
Oldcastle Glass Dist. Of Columbia 5415 Lee Highway Warrenton, VA 20187 (540) 347-5600 Oldcastle 13 IGCC @ E2190 '06	1576 1714	Yes Yes	MC4/PLK/ASM MC4/PLK/ASM	U U	AA AA	MS MS	PB/PU PB/SI	

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Oldcastle Glass Fremont 6850 Stevenson Blvd. Fremont, CA 94538 (510) 651-2292 Oldcastle 84 IGCC @ E2190 CBA '06	1111 1979	CBA Yes	PLK/ASM MC4/PLK	U U	AA AA	MS MS	PB/SI PB/MPS	
Oldcastle Glass Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 (972) 647-4028 Oldcastle 83 IGCC @ E2190 '06	862 2001	Yes Yes	BC3/PLJ BC3/PLJ	U U	AA AA	MS MS	PB/SI PB/HMB	
Oldcastle Glass Houston 1331 W. Sam Houston Pkwy N. Houston, TX 77043 (713) 464-5611 Oldcastle 65 IGCC @ E2190 '06	1136 1137	Yes Yes	PLK/ASM PLK/ASM	U U	AA AA	MS MS	PB/HMB PB/SI	
Oldcastle Glass Indianapolis 4635 W. 84th St., Ste. 100 Indianapolis, IN 46268 (317) 876-1155 Oldcastle 29 IGCC @ E2190 CBA '06	653 917	Yes Yes	MC4/PLK/AP/AS MC4/PLK/AP/AS	U/C2 U/C2	MA MA	MS MS	PB/SI PB/PU	
Oldcastle Glass Lithia Springs 2241 Sweetwater Ind. Blvd. Lithia Springs, GA 30122 (770) 732-2000 Oldcastle 45 IGCC @ E2190 '06	1434 1435 1905	Yes Yes Yes	MC4/PLK/AP MC4/PLK/AP MC4/PLK/AP	U/C1 U/C1 U/C1	AA AA AA	MS MS MS	PU PB/PU PB/SI	Yes
Oldcastle Glass Los Angeles 5631 Ferguson Dr. Los Angeles, CA 90022 (323) 887-6000 Oldcastle 74 IGCC @ E2190 CBA '06	1437 1619	Yes Yes	MC4/PLK/ASM MC4/PLJ/ASM	U/C2 U/C2	AA AA	MS MS	PB/SI PB/MPS	
Oldcastle Glass Louisville 541 Industry Rd., Ste. 430 Louisville, KY 40208 (502) 637-2022 Oldcastle 64 IGCC @ E2190 CBA '06	1240 1954	CBA Yes	Straight Joiner BC4/GSJ/ASM	U U	AA MA	MS MS	PB/SI PB/SI	
Oldcastle Glass Miami 17851 NW Miami Court Miami, FL 33169 (305) 652-3350 Oldcastle 82 IGCC @ E2190 '06	1101	Yes	MC4/PLK	U	AA	MS	PB/SI	

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Oldcastle Glass Milwaukee N48 WI 3334 Hampton Ave Menomonee Falls, WI 53051 (262) 781-9683 Oldcastle 32 IGCC @ E2190 CBA '06	1999	Yes	MC4/PLK/ASM	U/C	AA	MS	PB/HMB	
Oldcastle Glass Moorestown 1500 Glen Ave., Techni Park Moorestown, NJ 08057 (856) 234-9222 Oldcastle 12 IGCC @ E2190 '06	494 2084 2085	Yes Yes	MC4/PLK MC4/PLK PLK	U/C U/C U/C	AA AA AA	MS MS MS	PB/SI PB/SI PB/SI	
Oldcastle Glass New York 895 Motor Pkwy. Hauppauge, NY 11788-8839 (631) 234-2200 Oldcastle 15 IGCC @ E2190 '06	1577 2235	Yes Yes	BC3/BCS MC4	U U	TP MA	TP MS	TP/SI PB/SI	Yes
Oldcastle Glass Perrysburg Ampoint Industrial Park 291 "M" Street Perrysburg, OH 43551 (419) 666-2000 Oldcastle 81 IGCC @ E2190 '06	1584 2257	Yes Yes	BC/AP/SJ BC4/GSJ	U/C U	AA MA	MS MS	PB/SI PB/SI	
Oldcastle Glass Phoenix 3404 W. Papago St. Phoenix, AZ 85009 (602) 253-6980 Oldcastle 63 IGCC @ E2190 CBA '06	1758 1766	Yes Yes	MC4/PLK MC4/PLK	U/C2 U/C2	AA AA	MS MS	PB/MPS PB/SI	
Oldcastle Glass Rock Hill 1900 Midland St. Rock Hill, SC 29731 (803) 366-5167 Oldcastle 44 IGCC @ CBA '06	1167 1910 1965	CBA CBA CB	MC4/PLK/ASM MC4/PLK/ASM MC4/ PLK	U/C2 U/C2 U/SCF	AA AA GS/GS	MS MS MS	PB/SI PB/MPS PB/PU	
Oldcastle Glass Schofield 5010 Mesker Street Schofield, WI 54476 (715) 355-1335 Oldcastle 30 IGCC @ E2190 '06	2015	Yes	MC4/PLK	U/C	AA	MS	PB/PU	

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Oldcastle Glass Shawnee 10000 N. Harrison Shawnee, OK 74804 (405) 275-5510 Oldcastle 61 IGCC @ E2190 '06	1168 1610	Yes Yes	BC3/PLJ BC3/PLJ	U U	AA AA	MS MS	PB/SI PB/MPS	
Oldcastle Glass South Bend 3805 S. Main St. South Bend, IN 46614 (574) 291-6044 Oldcastle 25 IGCC @ E2190 '06	1290 1611	Yes Yes	PLK/AP PLK/AP	U/C1 U/C1	AA AA	MS MS	PB/PU PB/SI	
Oldcastle Glass Stone Mountain 1548 Stone Ridge Dr. Stone Mountain, GA 30083 (770) 939-6900 Oldcastle 42 IGCC @ E2190 '06	914 1418	Yes Yes	MC4/PLK/AP MC4/PLK/AP	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PU	
Oldcastle Glass Tampa 5115 East Hartford St. Tampa, FL 33619 (813) 247-3184 Oldcastle 43 IGCC @ E2190 CBA '06	1915 1933	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/PU PB/SI	
Oldcastle Glass Telford 375 E. Church Ave. Telford, PA 18969 (215) 721-0400 Oldcastle 14 IGCC @ E2190 '06	857	Yes	BC4/SSJ	U	AA	MS	PB/SI	
Oldcastle Glass Vancouver 1611 S.E. Commerce Avenue Battle Ground, WA 98604 (360) 816-7777 Oldcastle 73 IGCC @ E2190 '06	1517 1537	Yes Yes	MC4/PLK/ASM MC4/PLK/ASM	U/C U/C	AA AA	MS MS	PB/MPS PB/SI	Yes Yes
Oldcastle Glass Warrenton 1700 Daniel Boone Ind. Dr. Warrenton, MO 63383 (636) 456-3452 Oldcastle 21 IGCC @ E2190 '06	1604	Yes	MC4/PLK	U/C	AA	MS	PB/SI	Yes

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Oldcastle Glass Wausau 5103 Janice Ave. Schofield, WI 54476 (715) 359-2432	1178 1262 1312 1319	Yes Yes Yes Yes	BC3/ASM BC3/ASM BC3/PLK/ASM BC3/PLK/ASM	U/C2 U/C2 U/C2 U/C2	TS FS AA AA	DM FS MS MS	PB/PU PU PB/PU PB/SI	Yes Yes Yes Yes
Oldcastle 27 IGCC © E2190 '06	1962 2013 2014	Yes Yes Yes	BC3/ASM BC3/PLK/ASM BC3/PLK/ASM	U/C2 U/C U	TS MA MA	DM MS MS	EPU PB/SI PB/PU	Yes Yes Yes
Paramount Windows 105 Panet Rd. Winnipeg, MB R2J 0S1 Canada (204) 233-4966 Paramount Windows IGCC© CBA '06	1992	CBA	BC3/FT	U	FS	FS	HMB	
Patio Enclosures, Inc. 720 East Highland Road Macedonia, OH 44056 (330) 468-0700 PEI IGCC © E2190 '06	1851	Yes	BC4	U	FS	FS	RHMB	
PDC Glass & Metal Services 100 Business Center Drive Cheswick, PA 15024 (800) 232-9050 PERMA-PANE IGCC © E2190 '06	765 927 2038	Yes Yes Yes	BC3/SJ BC3/SJ MC4/PLK	U U U	AA AA AA	BL BL BL	PB/MPS PB/SI PB/SI	
PDC Glass of Michigan Inc. 300 Dunn Street Plymouth, MI 48170 (800) 752-3522 PERMA-PANE IGCC © E2190 '06	2092 2242 2261 2277	Yes Yes Yes Yes	MC4/PLK PLK/ASM MC4/PLK MC4/PLK	U/C1 U/C1 U/C1 U/C1	AA AA MA MA	MS MS MS MS	PB/MPS PB/SI PB/SI PB/MPS	
Philips Products, Inc. 150 Westside Drive Asheville, NC 28806 (828) 254-2351 PP 27 IGCC © E2190 CBA '06	1707 1843	Yes Yes	BC3/ASM BC4/ASM	U U	TS BSS	DM BSS	HMB BSS	
Philips Products, Inc. 1500 Patman Drive Clarkesville, TX 75426 (903) 427-2256 PP10 IGCC © E2190 CBA '06	1764 1768	Yes Yes	BC4 BC4	U U	TS FS	DM FS	HMB HMB	

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Philips Products, Inc. 3221 Magnum Drive, PO Box 2327 Elkhart, IN 46515 (574) 296-0000 PP62 IGCC @ 1508 E2190 '06	1509 2287	Yes No	BC3/ASM BC4/AP/ASM	U/C3 U/C3	FS TS	FS DM	HMB HMB	
Philips Products, Inc. 499 West Sassafrass Street Selinsgrove, PA 17870 (570) 374-8163 PP07 IGCC @ E2190 CBA '06	1504 1505 1978	C Yes Yes	BC3/AF/AP/ASM BC3/AP/ASM BC3/AF/ASM	U U U	FS TS FS	FS DM FS	HMB HMB HMB	
Philips Products, Inc. 1620 Wilco Road Stayton, OR 97383 (503) 769-6321 PP28 IGCC @ CBA '06	1242 1889 1974	CBA Yes Yes Yes	BC4/AP/ASM BC4/MT MC4/PLK/AP/AS	U U U	TS FS AA	DM FS BL	HMB HMB HMB	
Rochester Insulated Glass Inc. No. 73 Merrick Circle Manchester, NY 14504 (585) 289-3611 RIG 451 IGCC @ E2190 '06	451	Yes	BC4/PLJ	U	AA	MS	PB/SI	
S N E Enterprises, Inc. 1000 S. View Dr. Mosinee, WI 54455-0700 (715) 693-7000 SNE M IGCC @ E2190 '06	1786 1787	Yes Yes	BC3/ASM/CT BC3/ASM/CT	U U	FS BCS	FS BCS	HMB BCS	
Saf-ti Glass Distributors 11950 Globe Road Livonia, MI 48150 (800) 281-2682 SaftiSeal IGCC @ E2190 '06	1715	Yes	PLK/ASM	U	AA	MS	PB/PS	
Shanghai Yaohua Pilkington Glass Co., Ltd. No. 100 Jiyang Road, Pudong Shanghai, 200126 China (862) 138-1081 SYP IGCC @ CBA '06	1880 1881	Yes Yes	BC4/GSJ BC4/GSJ	U/C U/C	AL AL	MS MS	PB/SI PB/PS	

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Shiang Yi Glass Co., Ltd No. 71, Wu-Chung 7th Road Wu-Ku Industrial Park Taipei, China (886) 222-9919 SYG IGCC @ CBA '06	2009	Yes	MC4/PLK	U	SS	MS	PB/PS	
Shinn Fu Pair Glass Co. No. 101 Wen Ming 3 Street Kweishan, Taoyuan Taiwan, China (886) 332-8322 SFP IGCC @ CBA '06	1822	Yes	MC4/PLK	U	AA	MS	PB/SI	
Sierra Pacific Windows 11605 Reading Road Red Bluff, CA 96080 (530) 527-9620 SPW 1637 IGCC @ E2190 '06	1637	Yes	BC3/CT/ASM	U	FS	FS	HMB	
SIGCO, Inc. 299 Presumpscot St. Portland, ME 04103 (207) 775-2676 SIGCO IGCC @ E2190 '06	1444 1740 1741 2203	Yes Yes Yes Yes	SSJ/PLK/ASM PLK/J/ASM PLK/ASM PLK/ASM	U/C U U/C U/C	AA AA AA AA	MS MS MS MS	PB/SI MPS PB/MPS PB/SI	Yes
Solar Seal Co. 55 Bristol Drive South Easton, MA 02375 (508) 238-0112 SOLAR SEAL IGCC @ E2190 '06	1079	Yes	BC3/PLK/SSJ	U	AA	MS	PB/SI	
Syracuse Glass Co., Inc. 1 General Motors Drive Syracuse, NY 13206 (315) 437-9971 SGC IGCC @ E2190 '06	823 828	Yes Yes	BC4/GSJ/ASM BC4/GSJ/ASM	U U	AA AA	BL BL	PB/MPS PB/SI	
Taiwan Glass USA Sales Corp. PO Box 307 Wilsonville, OR 97070 Taiwan (503) 682-2255 Taiwan Glass Ind. Corp. 1356 IGCC @ E2190 '06	2053	Yes	MC4/PLK	U	AA	MS	PB/SI	

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Tecnoglass S.A. Avenida Circunvalar a 100 mts de la Via 40 Barrinquila, Columbia, South America (575) 355-3333 Tecnoglass IGCC ® CBA '06	1393 1813	Yes Yes	BC4/SSJ/AP BC4/SSJ/AP	U/C U/C	MA MA	MS MS	PB/MPS PB/SI	
Tempered Glass, Inc. 605 Stonehill Drive Atlanta, GA 30336 (404) 346-7900 TGI ATL IGCC ® E2190 '06	1123 2089	Yes Yes	BC4/GSJ/AP BC4/GSJ	U U	MA MA	MS MS	PB/MPS PB/SI	
Thai-German Specialty Glass Co., Ltd. 41/8 Rama 3 Road Shongnonsea, Yannawa Bangkok, 10120 Thailand (662) 294-6287 TGSGC IGCC ® E2190 '06	2059 2067	Yes Yes	BC4 BC4	U U	AA AA	MS MS	HMB/PS HMB/SI	
Thermoseal Glass Corp. 400 Water Street Gloucester City, NJ 08030 (856) 456-3109 TSL IGCC ® E2190 '06	1408 1682	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	BL BL	MPS PU	
Thermo-Twin Industries, Inc. 1155 Alleghany Avenue Oakmont, PA 15139 (800) 641-2211 TTI IGCC® E2190 '06	1684	Yes	BC3/PLK/ASM	U	FS	FS	HMB	
Thompson I.G. LLC. 3196 Thompson Rd. Fenton Operation Fenton, MI 48430 (810) 629-9558 TIG IGCC® CBA '06	1367	Yes	MC4/PLK	U	MA	MS	PB/PS	
Tower Glass Products Corp. 95 Horton Avenue Lynbrook, NY 11563 (516) 887-3300 Tower Glass Products IGCC ® E2190 1470 '06	1470	Yes	MC4/PLK	U	AA	MS	PB/SI	

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TRACO (Three Rivers Alum) 71 Progress Ave. Cranberry Ind. Pk. Cranberry Township, PA 16066-3596 (724) 776-7000 TRACO IGCC @ E2190 '06	439 2021 2022	Yes Yes Yes	BC4/SSJ BC4 BC4/SSJ	U U U	MA TP MA	MS TP MS	PB/SI TP/SI PB/SI	
TRACO (Three Rivers Alum) 2304 Silverdale Road Cranberry Ind. Pk. Johnson City, TN 37601 (423) 854-9300 TRACO JC IGCC @ CBA '06	2094	Yes	MC4/PLK	U	AA	BL	MPU	
TRACO (Three Rivers Alum) 2400 Broadway Street Cranberry Ind. Pk. Red Oak, IA 51566 (724) 776-7000 TRACO IGCC @ E2190 '06	1307	Yes	BC4/AP/ASM	U	TS	DM	HMB	
Tri-Star Glass 5566 S. Garnett Rd. Tulsa, OK 74146 (918) 392-9678 Tri-Star IGCC @ E2190 '06	2095	Yes	BC4/J	U	AL	MS	PB/PS	
Twin Pane Insulated Glass Co., Inc. 86 E. Horseblock Rd. Yaphank, NY 11980 (631) 924-1060 TP IGCC @ CBA '06	1528	Yes	MC4/PLK	U	AA	MS	PB/SI	
United Plate Glass Co., Inc. 108 Grundman Drive Butler, PA 16001 (800) 772-7783 UPG 02 IGCC @ E2190 '06	1513	Yes	BC4/SSJ	U	AA	MS	PB/PU	
Vinylume Products 3745 Hendricks Road Austintown, OH 44515 (330) 799-2000 VL IGCC @ E2190 '06	1928	Yes	BC3/ASM	U/C	FS	FS	HMB	Yes

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Viracon Inc. 800 Park Drive Owatonna, MN 55060 (507) 451-9555 VIRACON IGCC ® E2190 Owatonna, MN '06	980 1462 1911	Yes Yes Yes	BC3/ALK BC3/GSK/ASM BC3/PLK	U/C2 U/C U/C	AA MA SS	MS MS MS	PB/SI PB/SI PB/SI	Yes Yes Yes
Viracon Inc. 8373 Zell Miller Parkway Statesboro, GA 30458 (912) 871-8315 VIRACON IGCC ® E2190 Statesboro, GA '06	1529 1530	Yes Yes	BC4/GSJ/AP BC4/GSJ/AP	U/C U/C	MA AA	MS MS	PB/SI PB/SI	Yes Yes
Virginia Glass Products Corp. 347 Old Sand Rd. Ridgeway, VA 24148 (800) 368-3011 Virginia Glass Products Sureseal IGCC ® E2190 '06	1810	Yes	BC4	U	TP	TP	TP/SI	Yes
W. A. Wilson Inc. 6 Inds. Pk. Dr. Wheeling, WV 26003 (304) 232-2200 STARLITE IGCC ® E2190 '06	1695 1697	Yes Yes	MC4/PLK MC4/PLK	U U	AA AA	MS MS	PB/MPS PB/SI	
Weather Shield Mfg. Inc. 710 E. Division St. Greenwood, WI 54437 (715) 267-5031 WS G IGCC ® CBA '06	2215	CBA	BC3/ASM	U	BCS	BCS	BCS	
Weather Shield Mfg. Inc. Adams Avenue E. Ladysmith, WI 54848 (715) 748-2100 WS L IGCC ® E2190 CBA '06	2010	Yes	BC3/BCS/ASM	U	BCS	BCS	BCS	
Weather Shield Mfg. Inc. 2990 S. 8th W. Logan, UT 84321 (435) 753-6590 WS U IGCC ® E2190 '06	2018	Yes	BC3	U	BCS	BCS	BCS/HMB	
Weather Shield Mfg. Inc. One Weathershield Plaza Medford, WI 54451 (715) 748-2100 WS Med IGCC ® E2190 '06	1827 2011 2012	Yes Yes Yes	PLK/AMS BC3/ASM BC3/ASM	U/C2 U U	AA BCS BCS	MS BCS BCS	RHMB/EPU BCS/EPU BCS	

<u>LICENSEE</u>	<u>IGCC NUMBER</u>	<u>ASTM STANDARD E774 / E2190</u>	<u>FRAME CONSTRUCTION</u>	<u>SUBSTRATE</u>	<u>SPACER</u>	<u>DESICCANT</u>	<u>SEALANT</u>	<u>GAS FILL</u>
Weather Shield Mfg. Inc. 400 Legacy Lane Park Falls, WI 54552 (715) 762-3834 WS P IGCC @ CBA '06	1661	CBA	BC3/PLK/ASM	U	AA	MS	RHMB/EPU	
Western Reflections 215 E. Roosevelt Ave. Zeeland, MI 49464 (616) 772-9111 ODL IGCC @ E2190 CBA '06	16941 17831 18921	Yes Yes Yes	PLK PLK/ASM BC	U U U	AA AA BCS	MS MS BCS	HMB MPS BCS	
Western Reflections, Vidrio Decorativo Occidental S. A. de C.V. Poniente 4 Entre Borte 7 y Gral Pedro Hinojosa Ciudad Industrial H. Matamoros Tamps, Mexico (868) 812-9152 VDO IGCC @ E2190 CBA '06	19441 19451 19461 19471 19481	Yes Yes Yes Yes Yes	PLK PLK BC BC PLK	U U U U U	AA AA BCS BSS AA	MS MS BCS BSS MS	HMB MPS BCS BSS HMB	
Winchester Industries Route 286 E. Saltsburg, PA 15681 (724) 639-3551 WI IGCC @ E2190 '06	928	Yes	BC3/AS	U	BSS	BSS	BSS	
Wolverine Glass Products, Inc. 3119 Chicago Dr. S.W. Grandville, MI 49418 (616) 538-0100 WGP-05 IGCC @ 1719 E2190 '06	2090	Yes	BC3	U	BSS	BSS	BSS	
Xinyi Group (Glass) Co., Ltd. Xinyi Glass Industrial Zone Humen Town, Dongguan Guangdong, 52935 China (604) 273-0813 XYG IGCC @ E2190 '06	2044 2045 2046 2047 2048	Yes Yes Yes Yes Yes	BC4/GSJ BC4 MC4/PLK MC4/PLK BC/GSJ	U/C U/C U/C U/C U/C	MA AA SS SS MA/MA	BL BL BL BL BL	PB/SI PB/SI PB/SI PB/SI PB/SI	 Yes Yes Yes
Z Global Glass & Trading Co. 207-15 Braid St. New Westminster, BC V3L 5N7 Canada (604) 522-2131 Z Global Glass IGCC @ 2052 E2190 '06	2052	Yes	MC4/PLK	U	AO	MS	SI/UR	

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Zadra Vetri SPA	1936	CBA	MC4/PLK	U/C	GS	MS	PB/SI	
Via Tagliapietra, 33 Belluno, 32100 Italy (390) 437-9346 ZVS IGCC © CBA '06	1937	CBA	MC4/PLK	U/C	GS	MS	PB/SI	