

**IGCC®/IGMA® CERTIFIED PRODUCTS**

<u>LICENSEE</u>	<u>CERTIFICATION NUMBER</u>	<u>FRAME CONSTRUCTION</u>	<u>SUBSTRATE</u>	<u>SPACER</u>	<u>DESICCANT</u>	<u>SEALANT</u>	<u>GCIA</u>
AGC Flat Glass North America 1201 Hwy 67 E Alvarado, TX 76009 817-477-1144 AGC 24 IGCC®/IGMA® E2190 '11	1790	BC4/PLJ	U/C2	MA	BL	PB/SI	
AGC Flat Glass North America 365 McClurg Road-Suite E Boardman, OH 44512 330-965-1000 AGC 61 IGCC®/IGMA® E2190 '11	2374 2654 2868 2903 2904 2933	BC3/MC1/ASM BC3/MC1/MT/ASM BC3/MC1/AP/ASM BC3/MC1/ASM BC3/MC1/AP/ASM MC4/PLK	U/C3 U/C U/C2/U U/C2 U/C2/U U/C3	BCS FS TS/TS TS/TS SS/SS AA	BCS FS DM/DM DM/DM DM/DM MS	BCS HMB HMB HMB HMB PB/PU	Yes   Yes Yes Yes Yes
AGC Flat Glass North America 160 N. High Street Hebron, OH 43025-0220 740-929-2443 AGC 15 IGCC®/IGMA® E2190 '11	2371 2372	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	MA MA	MS MS	PB/SI PB/PS	
AGC Flat Glass North America 6600 Suemac Pl. Jacksonville, FL 32254-2792 904-786-6611 AGC 02 IGCC®/IGMA® E2190 '11	1447 1456	BC4/PLJ/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS BL	PB/PS PB/SI	
AGC Flat Glass North America 2522 Westcott Blvd. Knoxville, TN 37923 865-691-2040 AGC 05 IGCC®/IGMA® E2190 '11	2063 2220	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	MA MA	MS MS	PB/PS PB/SI	
AGC Flat Glass North America 3200 Austell Rd. Marietta, GA 30060 770-434-2041 AGC 01 IGCC®/IGMA® E2190 '11	2356 2357	MC4/PLK/ASM MC4/GSK/AP/ASM	U/C2 U/C2	AA AA	MS MS	PB PB/SI	
AGC Flat Glass North America 710 Landry Opelousas, LA 70570 337-948-7447 AGC 88 IGCC®/IGMA® E2190 '11	2341	BC4/PB	U/C2	MA	BL	PB/SI	
AGC Flat Glass North America 480 California Road Quakertown, PA 18951 215-538-9424 AGC 63 IGCC®/IGMA® E2190 '11	2586 2832 2931 2932	BC3/MC1/AP/ASM BC3/MC1/MT/ASM MC4/PLK BC3/MC1/ASM	U/C2 U/C1/U U/C3 U/C3	TS/TS FS/FS AA BCS	DM/DM FS/FS MS BCS	HMB/HMB HMB/HMB PB/PU BCS	Yes Yes

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AGC Flat Glass North America 207 Watlington Industrial Rd. Reidsville, NC 27320 336-342-3878	2007 2420 2585 2624	MC4/PLK BC3/MC1/ASM BC3/MC1/AP/ASM BC3/MC1/ASM	U/C3 U/C3 U/C3/U U/C3/U	AA BCS FS/FS TS/TS	MS BCS FS/FS DM	PB/PU BCS HMB HMB	   Yes Yes
AGC 62 IGCC®/IGMA® E2190 '11	2928	BC3/MC1/ASM	U/C3/U	SS/SS	DM/DM	HMB	Yes
AGC Flat Glass North America 6200 Gorman Rd. Richmond, VA 23231 804-222-0120	2099 2477	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	MA MA	MS MS	PB/SI PB/PS	
AGC 10 IGCC®/IGMA® E2190 '11							
AGC Flat Glass North America 3515 South 300 West Salt Lake City, UT 84115 801-268-2521	2448 3010	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	MA MA	BL MS	PB/PS PB/SI	
AGC 19 IGCC®/IGMA® E2190 '11							
AGC Flat Glass North America 5807 Business Park San Antonio, TX 78218 210-653-7790	2213 2355	BC3/MC1/SSJ BC4/SSJ	U/C2 U/C2	AA AA	BL BL	PB/PS PB/SI	
AGC 26 IGCC®/IGMA® E2190 '11							
AGC Flat Glass North America 803 Prestige Pkwy Scotia, NY 12302 518-374-3812	2473	MC4/PLK/ASM	U/C1	MA	MS	PB/PS	
AGC 09 IGCC®/IGMA® E2190 '11							
Ajiya Safety Glass SDN BHD Lot 575, 1 KM Lebuhraya Segamat-Kyantan Segamat, Johor 85000 Malaysia 607-9313133	2871	MC4/PLK	U/C2	MA	MS	PB/SI	
Ajiya Safety Glass IGCC®/IGMA® 2011							
All Counties Glass 2020 East Miner Avenue Stockton, CA 95205 209-888-8720	2518	MC4/PLK/ASM	U/C2	AA	MS	EPU/MPU	
ACG Stockton IGCC®/IGMA® '11							
Allweather Windows 18550, 118 A Avenue North West Edmonton, AB T5S 2K7 Canada 780-451-0670	2380 2538 2539	BC3/MC1/ASM BC3/MC1/ASM BC3/PLK	U/C1 U/C1 U/C1	TS TS FS	IN IN FS	MPU/HMB MPU/HMB HMB	Yes Yes Yes
AWW IGCC® E2190 '11							

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Alside Window Co.-Northwest 19720 Bothell-Everett Highway Bothell, WA 98012 425-481-7101 Alside Bothell IGCC®/IGMA® '11	2587 2588 3034	BC3/MC1/MT/ASM BC3/MC1/SS/ASM BC3/MC1/MT/ASM	U/C3 U/C3 U/C3/U	FS TS FS/FS	FS DM FS/FS	HMB MPU/HMB HMB	Yes Yes Yes
Alside Window Co-Central 3773 State Road Cuyahoga Falls, OH 44223 330-922-5343 Alside Cuyahoga Falls IGCC®/IGMA® '11	2839 2840	BC3/MC1/ASM BC4/MT/ASM	U/C3 U/C3	TS FS	DM FS	HMB HMB	Yes Yes
Alside Window Co-Midwest 3820 44th Ave. SW Cedar Rapids, IA 52401 319-390-4237 AWCMW IGCC®/IGMA® '11	1133	BC3/MC1/ASM	U/C3	TS	DM	HMB	Yes
Alside Window Co-SE 3800 Farmgate Road Kinston, NC 28501 252-527-5050 AWCSE IGCC®/IGMA® '11	1148 2068 2577	BC3/MC1/ASM BC4/MT/ASM BC3/MC1/ASM	U/C3 U/C3 U/C3	TS FS TS/TS	DM FS DM/DM	HMB HMB HMB	Yes
Alside Window Co-SW 7550 E. 30th St. Yuma, AZ 85365 928-344-6500 AWCSW IGCC®/IGMA® '11	2070 2551	BC3/MC1/ASM BC3/MC1/MT/ASM	U/C3 U/C3	TS FS	DM FS	HMB HMB	Yes Yes
Alumco Plot 568-693 Dubai Investment Park Emirates Road Dubai, UAE United Arab Emirates 9714-885-43-55 Alumco IGCC®/IGMA® 2011	2851	MC4/ALK	U/C	AA	MS	PB/SI	
American Insulated Glass Inc. 3965 East Conley Road Conley, GA 30288 404-361-9154 American Insulated Glass IGCC®/IGMA® '11	2962	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB/PB	
Arch Aluminum 5434 Farm Road (FM) 1488 Magnolia, TX 77354 800-348-0282 MAG W32 IGCC®/IGMA® 2011	1988	BC4/SSJ/MT	U/C3	AA	MS	PB/MPS	

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Arch Aluminum & Glass 8531 E. 44th Street Tulsa, OK 74145 918-665-6655 TUL W41 IGCC®/IGMA® '11	1960	BC4/ALJ	U/C2	AA	MS	MPS/PS	
Arch Aluminum & Glass Co. 19430 East San Jose St. City of Industry, CA 91730 909-594-0235 COI W29 IGCC®/IGMA® 2011	1976 1977	MC4/GSK/ASM MC4/GSK	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Arch Aluminum & Glass Co., Inc. 11950 E. 33rd Ave. Aurora, CO 80010 303-340-4290 ARA W31 IGCC®/IGMA® 2011	1990 1991	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Arch Aluminum & Glass L.C. 750 Cardinal Drive Bridgeport, NJ 08014 800-237-5148 BPT W07 IGCC®/IGMA® 2011	1591 2836	BC4/GSJ/ASM BC4/SSJ	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Arch Aluminum & Glass L.C. 297 Ascot Parkway Cuyahoga Falls, OH 44223 330-923-3726 CUF W24 IGCC®/IGMA® 2011	2635 2636	BC4/TSJ BC4/TSJ	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Arch Aluminum & Glass L.C. 7701 W. New York St. Indianapolis, IN 46214 800-876-0646 IND W14 IGCC®/IGMA® 2011	1323 2002	MC4/GSK/ASM MC4/GSK/ASM	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Arch Aluminum & Glass L.C. 2030 N.W. Progress Parkway Jackson, MS 39213 800-815-5658 JAC W22 IGCC®/IGMA® 2011	1883 2495	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/SI PB/MPS	
Arch Aluminum & Glass L.C. 5700 South Moreland Road New Berlin, WI 53155 800-242-2071 NBR W23 IGCC®/IGMA® 2011	2484	MC4/PLK/ASM	U/C2	AA	MS	PB/PS	Yes

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Arch Aluminum & Glass L.C. 3320-B Maggie Blvd. Orlando, FL 32811 800-367-7211 ORL W04 IGCC®/IGMA® 2011	1821 1908	BC4/GSJ/ASM BC4/GSJ/ASM	U/C2 U/C2	AA AA	MS MS	PB/MPS PB/SI	
Arch Aluminum & Glass L.C. 1825 S. 43rd Avenue Phoenix, AZ 85009 800-854-8022 PHX W30 IGCC®/IGMA® 2011	1597 1598	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Arch Aluminum & Glass L.C. 1655 South Awl Circle Salt Lake City, UT 84104 801-656-1660 SLC W34 IGCC®/IGMA® 2011	2329 2332	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Arch Aluminum & Glass L.C. 540 Industrial Court West Villa Rica, GA 30180 800-241-7462 VRA W08 IGCC®/IGMA® 2011	2254 2255	MC4/GSK/ASM MC4/GSK/ASM	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Arch Aluminum & Glass L.C. 285 Northbrook Drive Youngsville, NC 27596 919-435-3050 YGV W20 IGCC®/IGMA® 2011	1485 1647	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Arch Tempered Glass Products 4400 Cambridge Road Fort Worth, TX 76155 800-571-4832 DAL W35 IGCC®/IGMA® 2011	1749 1750	BC4/GSJ BC4/GSJ	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Architectural Glass Products, LLC. 6200 Maple Avenue St. Louis, MO 63130 314-725-8088 Architectural Glass Products, LLC IGCC®/IGMA® '11	2664 2666	MC4/PLK MC4/PLK	U/C2 U/C2	AA TBSS	BL BL	PB/PU PB/PU	
Architectural Window Mfg. Corp. 359 Veterans Blvd. Rutherford, NJ 07070 201-939-2200 AWM IGCC®/IGMA® '11	1579 2748	BC4/PSJ/ASM BC4/PSJ	U/C2 U/C1	AA MA	MS MS	PB/SI PB/SI	

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Barracuda Manufacturing 48230 West Rd. Wixom, MI 48393 248-624-5050 Barracuda IGCC®/IGMA® '11	2076 2258	BC3/MC1/MT/ASM BC4/MT/ASM	U/C2/U U/C2	FS/FS FS	FS/FS FS	HMB SI	Yes Yes
Beijing Century Decorative Glass Products Co., Ltd. Qu Zhao Quan Ying Zhen Chen Ge Zhuang Cun Shun Yi, Beijing China 86-10 60432558 Beijing Century IGCC®/IGMA® 2011	3004	MC4/PLK/ASM	U/C	AA	MS	PS/PB	
Beijing Wuhuatianbao Glass Co. No.1 Yanhe Renri Road Liqiao Town, Shunyi District Beijing, Beijing China 86-10-858697971 Beijing Wuhuatianbao Glass IGCC®/IGMA® '11	2616 2618	BC4/ALJ BC4/ALJ	U/C3 U/C3	MA TBSS	MS MS	HMB/SI HMB/SI	Yes Yes
Berkowitz J. E., LP One Gateway Boulevard Pedricktown, NJ 08067 856-456-7800 JEB IGCC®/IGMA® '11	1565 2317 2708 2834	MC4/SSK MC4/PLK MC4/PLK MC4/SMK	U/C2 U/C2 U/C2 U/C2	AA TBAA TBSS AA	MS MS MS MS	PB/SI PB/SI PB/SI PB/SI	Yes Yes Yes Yes
Blue Star Glass Inc. 2300 US Highway 1 Building 31 North Brunswick, NJ 08902 732-422-1272 Blue Star IGCC® E2190 '11	2745	MC4/PLK	U/C1	MA	MS	PB/SI	Yes
Brin Northwestern Glass Co. 2300 N. 2nd Street Minneapolis, MN 55411 612-529-9671 BV IGCC®/IGMA® '11	1580	BC4/GSJ/AP/ASM	U/C1	MA	MS	PB/PU	Yes
Cardinal IG 4611 15th Ave N.W. Fargo, ND 58102 701-492-0920 CIG-6 IGCC®/IGMA® '11	1464 1492	BC4/CT/ASM BC4/ALJ/CT/ASM	U/C2/U U/C2/U	SS/SS AA/AA	MS/MS MS/MS	PB/SI PB/SI	Yes Yes
Cardinal IG 301 E. McSwain Drive Fremont, IN 46737 260-495-4105 CIG-5 IGCC®/IGMA® '11	1452 1453	BC4/GSJ/ASM BC4/ALJ/CT/ASM	U/C2/U U/C2/U	AA/AA SS/SS	MS/MS MS/MS	PB/SI PB/SI	Yes Yes

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Cardinal IG Iowa 25 N. Greenfield, IA 50894 641-343-7113 CIG-2 IGCC®/IGMA® '11	1030	BC4/PLJ/ASM	U/C2/U	SS/SS	MS/MS	PB/SI	Yes
Cardinal IG 3125 Neal Creek Mill Road Hood River, OR 97031 541-354-1280 CIG-9 IGCC®/IGMA® '11	1923	BC4/ALJ/ASM	U/C2	AA	MS	PB/SI	Yes
	1924	BC4/PLJ/ASM	U/C2	SS	MS	PB/SI	Yes
	2553	BC4/ALJ/ASM	U/C2/U	AA/AA	MS/MS	PB/SI	Yes
	2554	BC4/PLJ/ASM	U/C2/U	SS/SS	MS/MS	PB/SI	Yes
Cardinal IG 50 Elmwood Rd. Mountain Top, PA 18707 570-474-3100 CIG-11 IGCC®/IGMA® '11	2221	BC4/ALJ/MT/ASM	U/C2/U	AA/AA	MS/MS	PB/SI	Yes
	2222	BC4/PLJ/MT/ASM	U/C2	SS	MS	PB/SI	Yes
Cardinal IG 1011 E. Madison St. Spring Green, WI 53588 608-588-7415 CIG-3 IGCC®/IGMA® '11	1036	BC4/PLJ/AF/ASM	U/C2/U	SS/SS	MS/MS	PB/SI	Yes
	1306	BC4/ALJ/AF/ASM	U/C2	AA	MS	PB/SI	Yes
Cardinal IG 1620 Town Line Rd. Tomah, WI 54660 608-372-3300 CIG-4 IGCC®/IGMA® '11	1039	BC4/PLJ/AF/ASM	U/C2	SS	MS	PB/SI	Yes
	1295	BC4/ALJ/AF/ASM	U/C2	AA	MS	PB/SI	Yes
Cardinal IG 2132 Cardinal Park Drive Vinton, VA 21179 540-892-5600 CIG-10 IGCC®/IGMA® '11	1970	BC4/PLJ/CT/ASM	U/C2	SS	MS	PB/SI	Yes
	1971	BC4/ALJ/CT/ASM	U/C2	AA	MS	PB/SI	Yes
Cardinal IG 201 Cardinal Road Waxahachie, TX 75165 972-937-4969 CIG-8 IGCC®/IGMA® '11	1574	BC4/ALJ	U/C2	AA	MS	PB/SI	Yes
	1718	BC4/PLJ	U/C2	SS	MS	PB/SI	Yes
	2837	BC4/PLJ	U/C2	AA/AA	MS/MS	PB/SI	
	2838	BC4/PLJ	U/C2/U	SS/SS	MS/MS	PB/SI	
Cascade Windows Inc. 5323 Harold Gatty Drive Salt Lake City, UT 84116 801-428-7791 Cascade SLC IGCC®/IGMA® '11	2944	BC3/MC1/ASM	U	TS	DM	HMB	Yes
	2989	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB	Yes

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Cascade Windows Inc. 10507 East Montgomery Drive Spokane, WA 99019-8621 509-789-3049 Cascade SPO IGCC®/IGMA® '11	2701 2967	BC3/MC1/SS/ASM BC3/MC1/ASM	U/C3 U/C3	TS FS	DM FS	HMB HMB	Yes Yes
Changshu Da-Yang Glass Specialties Co., Ltd Zhaoshi Town Changshu City, Jiangsu 215518 China (865125) 238-1045 Changshu Day-Yeng Glass IGCC®/IGMA® 2011	2874 2875 2876	BC3/MC1/ASM BC3/MC1/ASM MC4/PLK/ASM	U/C U/C U/C	BSS FS AL	BSS FS MS	BSS/HMB HMB PB/HMB	
Changshu Hard Glass Zhouhang Haiyu Town Changshu City, Jiangsu China 86-512-52590663 Changshu IGCC®/IGMA® 2011	2592 2593	BC3/MC1/SJ/ASM MC4/PLK/ASM	U/C1/U U/C1/U	BCS/BCS AA/AA	BCS/BCS MS/MS	BCS/MPS HMB/PU	
Changshu ZhongXin Building Materials Co., Ltd. Meili Town Changshu City, Jiangsu Province 215500 China 616-748-5401 XYG IGCC®/IGMA® '11	2776 2778 2781	MC4/PLK/ASM BC3/MC1/ASM BC3/MC1/ASM	U/C U/C U/C	AA BSS BSS	MS DM DM	PB/PS BSS BSS/PS	
Ching Chyau Co., Ltd. No. 560, Feng-Lin Second Road Ta-Liao Hsiang, Kaohsiung Hsien Taiwan, 831 China 886-7-7878959 Ching Chyau IGCC®/IGMA® 2011	2891	MC4/PLK	U/C1	AL	MS	PB/SI	
Classic Glass of Battle Creek Inc. 21472 M-37 Battle Creek, MI 49017 269-968-2791 Classic Glass IGCC®/IGMA® '11	1004 2392	BC4/GSJ/ASM BC4/GSJ/ASM	U/C1 U/C1	AA TBSS	MS MS	PB/PS PB/PS	Yes
Coastal Glass Distributors 7421 E. Spartan Blvd. Charleston, SC 29418-8462 843-552-6377 CGD IGCC®/IGMA® '11	2853	BC3/MC1/MT/ASM	U/C2/U	FS/FS	FS/FS	HMB	

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Coral Industries 3010 Rice Mine Road Tuscaloosa, AL 35406 205-345-1013 Coral IGCC®/IGMA® '11	2428 2549	BC4/MT BC4/MT	U/C3 U/C3/U	FS FS/FS	FS FS/Fs	HMB SI	
Craftsman Fabricated Products 4822 Southerland Houston, TX 77092 713-353-5800 CFP IGCC®/IGMA® '11	1868	BC3/MC1/PLJ/AJ	U/C2	MA	MS	PB/SI	Yes
Cristacurva Pedro Martinez Rivas #728 Zapopan, Jalisco 45150 Mexico (3) 342-7979 Cristacurva IGCC®/IGMA® 2011	2726	BC4/CT	U/C3/U	AA/AA	MS/MS	PB/SI	
Crystal Window & Door Systems, Ltd. 31-10 Whitestone Expressway Flushing, NY 11354 718-961-7300 CWDI IGCC® E2190 '11	2641	BC3/MC1/ASM	U/C3	TS	DM	HMB	Yes
Custom Glass Products Inc. 7515 Venture Circle Weston, WI 54476 715-359-2252 CGP IGCC®/IGMA® '11	1964	MC4/PLK	U/C3	AA	MS	PB/SI	
Diamond Windows & Doors Mfg 99 E. Cottage Street Boston, MA 02125 617-282-1688 Diamond Windows IGCC®/IGMA® '11	2694	MC4/PLK/ASM	U/C2	AA	MS	PB/PS	
DongGuan CSG Architectural Glass Co., Ltd. CSG Green Energy Industrial Park Machong Town, Dongguan City, China 86-769-88280936 CSG IGCC®/IGMA® 1476 '11	1476 2660	BC4/GSJ BC4/GSJ	U/C U/C	AA AA	MS MS	HMB/PS HMB/SI	
Dubuque Glass Company, Inc. 801 Cedar Cross Rd. Dubuque, IA 52003 563-582-5475 DGC IGCC®/IGMA® '11	2263	BC3/MC1/PLK	U/C2	AA	MS	PB/RHMB	

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Duo Seal Glass, LLC 500 Nordhoff Place Englewood, NJ 07631 201-567-7902 Duo Seal IGCC®/IGMA® '11	2485 2486	MC4/PLK/ASM MC4/PLK/ASM	U/C1 U/C1	AA AA	MS MS	PB/PU PB/SI	
Dynamic Windows & Doors 30440 Progressive Way Abbotsford, BC V3G 2L2 Canada 604-864-8200 Dynamic IGCC®/IGMA® '11	2680	MC4/PLK/ASM	U/C2	AA	MS	PB/MPU	Yes
Eckelt Glas GmbH ResthofstraBe 18 Steyr, A4403 Austria 430-725-2894 Eckelt IGCC®/IGMA® '11	2228 2229 2230	BC4/SSJ BC4/SSJ BC4/SSJ	U/C1/U U/C1/U U/C1/U	MA/MA SS/SS SS/SS	MS/MS MS MS/MS	PB/PS PB/PS PB/SI	Yes Yes Yes
EFCO Corporation 1000 County Rd. & Bridle Ln. Monett, MO 65708 417-235-6011 EFCO IGCC®/IGMA® '11	2244	BC3/MC1/AP/ASM	U/C2	TS	DM	MPU/HMB	
Emirates Glass L.L.C. Al Quoz Indl. Area #4 Dubai, United Arab Emirates 971-434-7151 EmiratesIGCC®/IGMA® '11	2246 2334	MC4/ALK MC4/ALK	U/C1 U/C1	MA MA	MS MS	PB/PU PB/SI	
FAKRO GP Sp. Z.0.0. ul. Wegierska 144A 33-300 Nowy Sacz, Poland 481-844-4035 FAKRO IGCC®/IGMA® '11	2042	BC2/MC2/PLK	U/C2	SS	MS	PB/PU	Yes
Fenplast, Inc. 150 rue Brossard Delson, QC J5B 1X1 Canada 514-990-0012 Fenplat IGCC®/IGMA® '11	2087	BC3/MC1/MT/ASM	U/C1	FS/FS	FS/FS	HMB	Yes
Flat Glass Distributors 5355 Shawland Road Jacksonville, FL 32254 904-354-5413 FGD IGCC®/IGMA® '11	2467	BC4/PLJ/ASM	U/C1	FS	FS	FS/HMB	

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Fuyao Group (Fujian) Engineering Glass Co., Ltd. Area II, Fuyao Industrial Area Fuqing, Fujian 350301 China 86-0-591-85363733 Fuyao Group IGCC®/IGMA® 2011	2894	BC4/LC1	U/C2	AA	MS	HMB/SI	Yes
Garibaldi Glass 7344 Winston Street Burnaby, BC V5A 2G9 Canada 604-420-4527 Garibaldi Glass IGCC®/IGMA® 2011	2961	BC4/GSJ/ASM	U/C2	TBAA	MS	PB/SI	
Gentek Building Products Ltd. Partnership 6320 Colonel Talbot Rd. London, ON N6P 1J1 Canada 519-652-3246 Gentek IGCC®/IGMA® '11	2382	BC3/AP/ASM	U/C3	FS	FS	HMB	Yes
GGI Glass Distributors Corp. 101 Venture Way Secaucus, NJ 07096 201-553-1850 GGI IGCC®/IGMA® '11	1963	MC4/PLK/ASM	U/C1	AA	MS	PB/SI	
Glass Dynamics 8901 220 Bypass Stoneville, NC 27048 336-573-2393 GDI IGCC®/IGMA® '11	1925	BC4/SSJ/ASM	U/C2	MA	MS	PB/SI	Yes
Glass Enterprises Inc. 2277 New York Avenue Bensalem, PA 19020 215-638-1007 Beta-Pane IGCC®/IGMA® 1436 '11	1436	BC4/SJ/ASM	U/C1	AA	MS	PB/PU	
Glass Insulators Inc. 507 Main Street Bloomer, WI 54724 715-568-3649 IGCC @ CBA '04	2983	BC4/GSJ/ASM	U/C2	MA	MS	PB/PS	
Glass Professionals 700 New York Avenue Des Moines, IA 50313 515-288-7427 GP IGCC®/IGMA® 1747 '11	2634	BC4/SS/ASM	U/C2	MA	MS	PB/PS	

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GlassFab Tempering Services Inc. 1448 Mariani Court Tracy, CA 95376 209-229-1060 GlassFab IGCC®/IGMA® '11	2623 2685	MC4/PLK MC4/PLK	U/C2 U/C2	MA MA	MS MS	PB/PS PB/SI	
Glasswerks LA, Inc. 8600 Rheem Avenue South Gate, CA 90280 213-216-3627 Glasswerks IGCC®/IGMA® '11	2653 2702	BC4/PLJ BC4/PLJ	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	
Glaz-Tech Industries, Inc. 8017 Edith Blvd. Albuquerque, NM 87113 505-898-1460 GTI Albuquerque IGCC®/IGMA® '11	1285	MC4/PLK	U/C2	MA	MS	PB/PS	
Glaz-Tech Industries, Inc. 5098 Treasure Valley Way Nampa, ID 83687 208-389-1080 GTI Nampa IGCC®/IGMA® '11	3076	MC4/PLK/ASM	U/C2	AA	MS	PB/PS	
Glaz-Tech Industries, Inc. 3702 Buckeye Pheonix, AZ 85009 866-624-3394 GTI Pheonix IGCC®/IGMA® '11	2926	MC4/PLK/ASM	U/C2	AA	BL	PB/PS	
Glaz-Tech Industries, Inc. 2191 South 300 West Salt Lake City, UT 84115 801-467-3136 GTI SLC IGCC®/IGMA® '11	2330	MC4/PLK/ASM	U/C2	AA	MS	PB/HMB	
Glaz-Tech Industries, Inc. 150 Industrial Rd. Santa Teresa, NM 88008 505-589-4970 GTI Santa Teresa IGCC®/IGMA® '11	2340	MC4/PLK/ASM	U/C2	AA	MS	PB/PS	
Glaz-Tech Industries, Inc. 2207 East Elvira Road Tuscon, AZ 85745 520-629-0268 GTI Tucson IGCC® '11	2919 2920	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/PS PB/HMB	

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Glenny Glass Co. 209 Castleberry Court Milford, OH 45150 800-535-2133 GLG IGCC®/IGMA® '11	2427	MC4/PLK.ASM	U/C1	MA	MS	PB/PS	
Global Security Glazing 616 Selfield Road PO Box 469 Selma, AL 36073 334-875-1900 Global IGCC®/IGMA® '11	2003	MC4/PLK	U/C2	MA	MS	PB/SI	
Graham Architectural Products 1551 Mt. Rose Ave. York, PA 17403-2909 717-849-8100 Graham IGCC®/IGMA® '11	1428	BC4/SJ	U/C1	AA	MS	PB/SI	
Guang Dong Golden Glass Technologies Diejin Enterprise District Shantou College Road Shantou, Guang Dong, China GDGG IGCC®/IGMA® '11	2386	BC4/GSJ	U/C2	MA	MS	PB/SI	
Guangdong Avic Special Glass Technology West 3rd Road No. 23 Shihua Blvd West, Xiangshui River Ind. Park Huizhou, Guangdong China (7552) 763-3580 Guangdon Avic IGCC®/IGMA® '11	2614	BC4/GSJ	U/C2	AA	MS	PB/SI	
Guardian Fabrication Inc. 5 Cudworth Road Webster, MA 01570 508-943-6600 GRD-062 IGCC®/IGMA® '11	2849	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB	
Guardian Glass of Rogers Corp 1412 S. First St. Rogers, AR 72756 479-636-0888 GRD-028 IGCC®/IGMA® '11	2963	BC4/PLJ/ASM	U/C	AA	MS	PB/SI	
Guardian Glass of Rogers Corp 1412 S. First St. Rogers, AR 72756 479-636-0888 GRD-028 IGCC®/IGMA® '11	2354	BC3/MC1/ASM	U/C2	BCS	BCS	BCS	
Gulf Glass Industries, LLC 13th Industrial Area Sharjah, United Arab Emirates 971-653-8550 GGI IGCC®/IGMA® 1710 '11	1710	BC4/ALJ	U/C2	MA	MS	PB/SI	
	2096	BC4/ALJ	U/C2	MA	MS	PB/PU	Yes

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Hankuk Haniso Co.,Ltd. Processed Glass Sector 585-14 Gajwa Dong Incheon, 404-250 Korea Hankuk IGCC®/IGMA® '11	2387	BC4/MT	U/C2	AA	MS	PB/SI	
Hartung Glass Industries 8211 Siena Avenue Sacramento, CA 95828 916-266-5700 HGI SAC IGCC®/IGMA® 08	2327	BC4/GSJ/CT/ASM	U/C2	MA	MS	PB/PS	Yes
	2347	BC4/GSJ/CT/ASM	U/C2	MA	MS	PB/SI	Yes
Hartung Glass Industries 173830 West Valley Highway Tukwila, WA 98188 800-552-2227 HGI TUK IGCC®/IGMA® 08	2493	MC4/PLK/ASM	U/C2/U	MA/MA	MS/MS	PB/PS	Yes
	2494	MC4/PLK/ASM	U/C2	MA/MA	MS	PB/SI	Yes
	2515	BC4/SJ/MT/ASM	U/C3/U	FS/FS	FS/FS	HMB	Yes
	2574	MC4/PLK/ASM	U/C2	TBAA	MS	PB/SI	Yes
Hartung Glass Industries 10450 SW Ridder Road Wilsonville, OR 97070 503-682-3846 HGI WIL IGCC®/IGMA® 09	2671	BC3/MC1/MT	U/C2	FS	FS	RHMP	Yes
	2672	BC4/GSJ	U/C2	MA	MS	PB/RHMP	Yes
	2673	MC4/PLK	U/C2	MA	MS	PB/SI	Yes
	2674	MC4/PLK	U/C2	MA	MS	PB/PS	Yes
Harvey Industries, Inc. 30 Jack's Bridge Road Londonderry, NH 03503-2145 603-216-8300 HII-1 IGCC®/IGMA® '11	1531	BC3/MC1/AP/ASM	U/C3	TS	DM	HMB	
	2712	BC3/MC1/AP/ASM	U/C3/U	TS/TS	DM/DM	HMB/RHMP	Yes
	2798	BC3/MC1/ASM	U/C2	BCS	BCS	BCS/RHMP	Yes
	2799	BC2/MC2/ASM	U/C2	BPS	BPS	BPS	
Harvey Industries, Inc. 7 LedgeWood Boulevard North Dartmouth, MA 02747 508-998-9779 HII-3 IGCC®/IGMA® '11	2715	BC3/MC1/AP/ASM	U/C3	TS	DM	HMB	
	2716	BC3/MC1/AP/ASM	U/C2	TS	DM	HMB	
	2718	BC3/MC1/AP/ASM	U/C3/U	TS/TS	DM	HMB/RHMP	Yes
	2719	BC3/MC1/AP/ASM	U/C2/U	TS/TS	DM	HMB/RHMP	Yes
	2720	BC3/MC1/AP/ASM	U/C3/U	TS/TS	DM	HMB/RHMP	Yes
Hehr Glass Company 1021 Walnut Ave. Pomona, CA 91766 909-628-5557 HEHR Glass 1752 IGCC®/IGMA® '11	1752	MC4/PLK	U/C1	AA	MS	PB/SI	
	1796	MC4/PLK	U/C1	AA	MS	PB/PU	
Hongzhou Zhongtian Glass Co. Ltd. No. 101 Jianshe 3rd Xiaoshan Economic and Technical Development Zone Hangzhou, 311215 China 86-571-82870109 Hanzhou Zhongtian Glass IGCC®/IGMA® 2011	2841	BC4/GSJ	U/C2	AA	MS	PB/SI	

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Hurd Window and Doors Acquisitions, Inc. 1815 Water St. Merrill, WI 54452 715-748-1716 HWDI IGCC®/IGMA® '11	1815	MC4/PLK/ASM	U/C2	AA	MS	PB/MPU	Yes
	1816	BC3/MC1/ASM	U/C2	TS	DM	MPU	Yes
	1818	BC4/GSJ/ASM	U/C2	SS	DM	MPU	Yes
Impact Safe Glass Co. 2705 N. 35th Street Tampa, FL 36535 813-247-5528 ISG IGCC®/IGMA® '11	2980	BC3/MC1/ASM	U/C2	BCS	BCS	BCS/HMB	
	2992	BC3/MC1	U/C2	BCS	BCS	HMB	
Insulated Glass of America, Inc. 102 East Fields Street Dallas, NC 28034 704-917-0880 IGA IGCC® E2190 '11	2544	BC3/MC1/PLK/ASM	U/C2	AA	MS	PB/SI	
Insulite Glass Co., Inc. 780 W. Frontier Circle Olathe, KS 66063-0803 913-780-2233 ISL IGCC®/IGMA® 1702 '11,	1702	BC4/GSJ/ASM	U/C2	MA	MS	PB/SI	
	2008	BC4/GSJ/ASM	U/C2	MA	MS	PB/PS	
	2735	BC4/GSJ/ASM	U/C2	TBSS	MS	PB/PS	Yes
Insulpane of Connecticut Ind. 30 Edmond St. Hamden, CT 06517 203-865-8212 Insulpane CT IGCC®/IGMA® '11	1966	BC3/MC1/PLK/ASM	U/C1	AA	MS	PB/PS	
	2208	MC4/PLK/ASM	U/C1	AA	MS	PB/HMB	
International Glass Products 11111 Colbert Ville D'Anjou, QC H1J 2S1 Canada 514-494-1575 Inde-Pane IGCC®/IGMA® '11	2319	BC3/MC1/ASM	U/C1	TS	DM	MPU	Yes
	2981	BC3/MC1/ASM	U/C1	SS	DM	MPU	Yes
Intigral 6750 Vistoria East Austintown, OH 44515 330-793-7677 EST IGCC®/IGMA® 1200 '11	1200	BC3/MC1/AP/ASM	U/C3	TS	DM	HMB	Yes
	2638	BC3/MC1/ASM	U/C3	FS	FS	HMB	Yes
	2661	BC3/MC1/ASM	U/C2/U	SS/SS	DM/DM	RHMB/HMB	Yes
	3015	BC3/MC1/MT/ASM	U/C3/U	FS/FS	FS/FS	HMB	
Intigral 6705 Wales Road Northwood, OH 43619 419-661-9395 EST IGCC®/IGMA® '11	2519	BC3/MC1/AP/ASM	U/C3	TS	DM	HMB	Yes
	2522	BC4/PLJ/ASM	U/C3/U	TS/TS	DM	RHMB/HMB	Yes
	2640	BC3/MC1/ASM	U/C3	FS	FS	HMB	Yes

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Intigral	1268	BC3/MC1/ASM	U/C3	TS	DM	HMB	Yes
7850 Northfield Rd.	1606	BC3/MC1/MT/ASM	U/C3/U	FS/FS	FS/FS	HMB	Yes
Walton Hills, OH 44146	1724	BC3/MC1/AA/ASM	U/C3/U	TS/TS	DM/DM	RHMB/HMB	Yes
440-439-0980	1788	BC3/MC1/ASM	U/SCF/U	TS/TS	DM/DM	PB/PU	Yes
EST IGCC®/IGMA® '11	2037	BC3/MC1/ASM	U/C3	TS	DM	RHMB/HMB	Yes
	2302	BC3/MC1/SSJ/ASM	U/C3/U	SS/SS	DM/DM	RHMB	Yes
Jasan Glass - JSG	2274	BC4/ALJ	U/C1	MA	MS	PB/SI	
459-1 Neojo-Ri, Jori-Eup, Paju	2275	BC4/SSJ	U/C2	SS	MS	PB/SI	
Gyeonggi, 413-821 South Korea							
82-31-941-6289							
Jasan Glass 2274/2275 IGCC®/IGMA® '11							
Jersey Tempered Glass, Inc.	689	MC4/PLK/ASM	U/C3	AA	MS	PU	
2035 Briggs Rd.	750	MC4/PLK/ASM	U/C3	AA	MS	PB/PU	
Mt. Laurel, NJ 08054							
856-273-8700							
JTG IGCC®/IGMA® '11							
Jiangmen SYP Engineering Glass Ltd	2856	BC4/GSJ	U/C2	AA	MS	PB/SI	
10# Yinyuan Road	2857	BC4/GSJ	U/C2	AA	MS	PB/PS	
Economic Development Zone Xinhui							
Jiangmen City, Guangdong 529141 China							
86 750 6398999							
Jiangmen SYP IGCC®/IGMA® '11							
Jiangmen Yamako Glass Co., Ltd.	2900	BC3/MC1/MT/ASM	U/C2	FS	FS	FS/HMB	
River Bank South Road							
Daze Town, Xinhui District							
Jiangmen City, China							
852-279-6886							
JYG IGCC®/IGMA® '11							
Jinzhou Fortune Glass Spring Glass Co., Ltd.	2775	BC3/MC1/ASM	U/C	BSS	DM	BSS	
Chaoyang New Street, Jingang Road	2811	BC3/MC1/ASM	U/C	BSS	DM	BSS/PS	
The Economic Development Zone	2812	BC3/MC1/ASM	U/C	BSS	DM	BSS/PS	
Jinzhou City, Liaoning Province	2813	BC3/MC1/CT/ASM	U/C	BCS	DM	BSS/PS	
121007 China							
86-416-358-1084	2814	BC3/MC1/CT/ASM	U/C	BSS	DM	BSS/PS	
Jinzhou Fortune Glass IGCC®/IGMA® 2011							
Kenyon Stained Glass Factory, Inc.	2391	BC3/MC1/PLK/ASM	U/C2	AA	MS	PU	
5720 North Meadows Drive							
Grove City, OH 43123							
614-539-8740							
Kenyon IGCC®/IGMA® '11							

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KINRO, Inc. 2423 Messick Rd. Goshen, IN 46526 574-534-6660	2568	BC3/MC1/MT/ASM	U/C3	FS	FS	HMB	Yes
KINRO IN IGCC®/IGMA® '11							
KINRO, Inc. 944 N. Kings Rd. Nampa, ID 83687-3193 208-466-4523	2073	BC3/MC1/CT/ASM	U/C3	TS	DM	HMB	Yes
KINRO ID IGCC®/IGMA® '11							
KML Windows, Inc. 71 Second Street Strathroy, ON N7G 3H8 Canada 519-245-2270	2373	BC4/MT/ASM	U/C1	FS	FS	RHMP	Yes
KML IGCC®/IGMA® '11							
LBL Windows 23555 NE Halsey Street Troutdale, OR 97060 503-667-8979	2817	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB	
LBL Windows IGCC®/IGMA® '11							
Les Industries Thermalite Inc. 3740 Dollard-Desjardins Montreal, QC H1B 5X2 Canada 514-640-1122	2491	MC4/PLK/ASM	U/C1	AA	MS	PB/SI	Yes
	2597	MC4, PLK	U/C2	AA	MS	PB/PS	Yes
	2598	MC4/PLK	U/C2	PHSS	MS	PB/PS	Yes
LIT IGCC®/IGMA® E2190 '11							
Louisville Plate Glass 1401 W Broadway Louisville, KY 40201 502-584-6145	1281	MC4/PLK	U/C2	AA	MS	PB/SI	
	2897	MC4/PLK	U/C	AA	MS	PB/PS	
LPG IGCC®/IGMA® '11							
Mannix Exterior Wall Systems, Inc. 345 Crooked Hill Road Brentwood, NY 11717 631-231-0800	1746	MC4/PLK	U/C2	AA	MS	PB/PU	
Mannix IGCC®/IGMA® 1746 '11							
Marvin Windows PO Box 100 Warroad, MN 56763 218-386-1430	1848	MC4/PLK/ASM	U/C2	AA	MS	PB/PU	Yes
Marvin 01 IGCC®/IGMA® '11							

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Mid-American Glass 147 S. Sturdevant St. Davenport, IA 52808-3428 563-326-6294 Mid American IGCC®/IGMA® '11	2315	MC4/PLK/ASM	U/C3	AA	MS	PB/RHMB	
Miroirs Laurier 153 boul. Laurier Laurier-Station, QC G0S 1N0 Canada 418-728-2023 MLG IGCC®/IGMA® E2190 '11	2559	MC4/PLK/ASM	U/C2	TBSS	MS	PB/PS	Yes
	2629	MC4/PLK/ASM	U/C2	TBSS	MS	HMB/SI	Yes
MLC Glass 2553 23 Mile Road Shelby Township, MI 48316 586-731-1630 MLC IGCC®/IGMA® '11	2307	BC4/PLJ/ASM	U/C2	MA	MS	PB/PS	Yes
	2611	BC4/GSJ/ASM	U/C2	TBTS	MS	PB/PS	Yes
	2612	MC4/PLK/ASM	U/C2	SS	MS	PB/PS	Yes
Nanjing New Neeyo Glass Industrial Co., Ltd. Spin Industry Garden Qingshuiting West Road Jiangning Development District, Nanjing China 86-25-858272	3005	BC4/GSJ/ASM	U/C2	AA	MS	SI	
Nashville Tempered Glass LLC 1241 Avondale Dr. Hendersonville, TN 37075 615-826-5522 NTGC IGCC®/IGMA® '11	2845	BC4/SSJ	U/C	MA	MS	PB/PS	
Northwest Glass, Inc. 127 Regal St. Billings, MT 59104 406-252-7196 NWG IGCC®/IGMA® '11	865	MC4/PLK/CT/ASM	U/C2	AA/AA	MS/MS	PU	
	2424	MC4/PLK//CT/ASM	U/C2	AA	MS	HMB	
Northwestern Inds, Inc. 2501 Commodore Way Seattle, WA 98199 206-285-3140 NWI Sea WA IGCC® '11	1635	BC4/GSJ/ASM	U/C2/U	MA/MA	MS/MS	PB/SI	Yes
Northwestern Inds, Inc. East 30th Street Yuma, AZ 98365 206-285-3140 N.W.I. IGCC®/IGMA® '11	2249	BC4/SJ	U/C2	MA	MS	PB/SI	

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Norwood Classic Window and Entrance Systems 249 Parker Road Scoudouc, NB E4P 3P8 Canada 506-533-2538 NCW IGCC® E2190 '11	2730	MC4/PLK/ASM	U/C2/U	TBSS/TBSS	MS/MS	PB/PS	Yes
ODL, Inc. 65 Courtland Avenue Vaughan, ON L4K 3T1 Canada 905-532-9495 ODL Vaughn IGCC®/IGMA® '11	2948	MC4/PLK	U/C1/U	AA/AA	MS/MS	PB/MPU	Yes
215 E. Roosevelt Avenue Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	2950	MC4/PLK/ASM	U/C3	AA	MS	PB/MPU	
ODL, Inc. 215 E. Roosevelt Avenue Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	1892	BC3/MC1/MT/ASM	U/C1	BCS	BCS	BCS	
215 E. Roosevelt Avenue Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	2782	BC3/SS/ASM	U/C1	TS	DM	HMB	Yes
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 616-772-9111 VDO IGCC® E2190 '11	2637	BC3/MC1/MT/ASM	U/C1	BCS	BCS	BCS	
215 E. Roosevelt Avenue Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	2945	BC3/SS/ASM	U/C1	TS	DM	HMB	
215 E. Roosevelt Avenue Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	2991	BC3/MC1/ASM	U/C	BCS	BCS	BCS/PU	
OKALUX GmbH Am Jospershecklein 1 97828 Marktheidenfeld-Atfeld Deutschland, Germany 939-190-0241 OKA IGCC®/IGMA® '11	1866	MC4/PLK	U/C2	MA	MS	PB/SI	
300 Cooperative Way Wright City, MO 63390 636-745-3030 Oldcastle 35 IGCC®/IGMA® E2190 '11	2656	BC4/PLJ	U/C2	SS	MS	PB/PS	Yes
Oldcastle BuildingEnvelope™ CPG 300 Cooperative Way Wright City, MO 63390 636-745-3030 Oldcastle 35 IGCC®/IGMA® E2190 '11	2043	BC4/MC1/GSJ	U/C2	MA	MS	PB/SI	Yes
300 Cooperative Way Wright City, MO 63390 636-745-3030 Oldcastle 35 IGCC®/IGMA® E2190 '11	2206	BC4/GSJ	U/C2/U	SS/SS	MS/MS	PB/SI	Yes
300 Cooperative Way Wright City, MO 63390 636-745-3030 Oldcastle 35 IGCC®/IGMA® E2190 '11	2400	BC4/SSJ	U/C2	TBSS	MS	PB/SI	Yes
300 Cooperative Way Wright City, MO 63390 636-745-3030 Oldcastle 35 IGCC®/IGMA® E2190 '11	2893	BC4/MC1/GSJ	U/C2/U	MA/MA	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Albertville 5334 Barthel Drive Albertville, MN 55301 763-497-3212 Oldcastle 22 IGCC®/IGMA® E2190 '11	1968	MC4/PLK/ ASM	U/C2	MA	MS	PB/SI	Yes
5334 Barthel Drive Albertville, MN 55301 763-497-3212 Oldcastle 22 IGCC®/IGMA® E2190 '11	2501	BC4/SSJ/ASM	U/C2	TBSS	MS	PB/SI	Yes

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Oldcastle BuildingEnvelope™ Atlanta 14117 Industrial Park, NE Covington, GA 30014 678-212-7700 Oldcastle 42 IGCC®/IGMA® E2190 '11	914	MC4/PLK/AP/ASM	U/C2	MA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Bensenville 1001 Foster Ave. Bensenville, IL 60106 630-595-3750 Oldcastle 23 IGCC®/IGMA® E2190 '11	1823	BC4/PLJ/MT/ASM	U/C2	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Burnips 4257 30th St. Burnips, MI 49314 616-896-8341 Oldcastle 28 IGCC®/IGMA® E2190 '11	2934	BC4/SSJ	U/C2	TBSS	MS	PB/SI	
Oldcastle BuildingEnvelope™ Calgary 3601 - 72 Avenue SE Calgary, AB T2C2K3 Canada 403-279-2544 Oldcastle 93 IGCC®/IGMA® E2190 '11	732	MC4/PLK/ASM	U/C12	AA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Chicago 4161 S Morgan St. Chicago, IL 60609 773-523-8400 Oldcastle 24 IGCC®/IGMA® E2190 '11	1424	MC4/PLK/ASM	U/C2	AA	MS	PB/PU	Yes
Oldcastle BuildingEnvelope™ Denver 11205 E. 37th Ave. Denver, CO 80239 303-371-5511 Oldcastle 71 IGCC®/IGMA® E2190 '11	2605	MC4/PLK/ASM	U/C2	SS	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Fremont 6850 Stevenson Blvd. Fremont, CA 94538 510-651-2292 Oldcastle 84 IGCC®/IGMA® E2190 '11	2703	MC4/PLK/ASM	U/C2/U	SS/SS	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	2725	MC4/PLK/ASM	U/C2/U	TBSS/TBSS	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	2878	BC3/MC1/MT/ASM	U/C2/U	FS/FS	FS/FS	RHMB	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	2879	MC4/PLK/ASM	U/C2/U	AA/AA	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	1289	BC4/PLJ/ASM	U/C1	AA	MS	PB/RHMB	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	1986	MC4/PLK/ASM	U/C1	AA	MS	RHMB	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	1987	BC4/PLJ	U/C1	AA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	1940	BC3/MC1/CT/ASM	U/C2/U	FS/FS	FS/FS	MPU	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	2689	MC4/PLK/ASM	U/C2/U	AA/AA	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	1111	MC4/PLK/ASM	U/C2	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	2001	BC3/MC1/PLJ	U/C2	AA	MS	PB/HMB	
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	3079	BC3/MC1/GSJ	U/C2	MA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Grand Prairie 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	3080	BC4/GSJ	U/C2	MA	MS	PB/HMB	

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Oldcastle BuildingEnvelope™ Houston 1331 W. Sam Houston Pkwy N. Houston, TX 77043 713-464-5611 Oldcastle 65 IGCC®/IGMA® E2190-10	1137	BC4/SSJ/ASM	U/C2	AA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Indianapolis 4635 W. 84th St., Ste. 100 Indianapolis, IN 46268 317-876-1155 Oldcastle 29 IGCC®/IGMA® E2190 '11	653	MC4/PLK/AP/ASM	U/C2/U	MA/MA	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Langley 5075 275th Street Langley, BC V4W 0A8 Canada 604-607-1300 Oldcastle 91 IGCC®/IGMA® E2190 '11	2322	MC4/PLK/ASM	U/C2/U	AA/AA	MS/MS	PB/HMB	Yes
	2323	MC4/PLK/ASM	U/C2/U	AA/AA	MS/MS	PB/SI	Yes
	2324	BC3/MC1/MT/ASM	U/C2/U	FS/FS	FS/FS	RHMB	Yes
Oldcastle BuildingEnvelope™ Los Angeles 5631 Ferguson Dr. Los Angeles, CA 90022 323-887-6000 Oldcastle 74 IGCC®/IGMA® E2190 '11	1437	MC4/PLK/ASM	U/C2	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Miami 17851 NW Miami Court Miami, FL 33169 305-652-3350 Oldcastle 82 IGCC®/IGMA® E2190 '11	1101	MC4/PLK/ASM	U/C1	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Montreal 12755 boul Industriel Pointe-aux-Trembles, QC H1A 4Z6 Canada 514-640-5355 Oldcastle 95 Montreal IGCC®/IGMA® '11	2883	MC4/PLK	U/C2/U	AA/AA	MS/MS	PB/SI	Yes
	2884	MC4/PLK	U/C2/U	TBSS/TBSS	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Moorestown 1500 Glen Ave., Techni Park Moorestown, NJ 08057 856-234-9222 Oldcastle 12 IGCC®/IGMA® E2190 '11	2084	BC4/SJ/ASM	U/C1	AA	MS	PB/SI	Yes

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Oldcastle BuildingEnvelope™ New Jersey 99 Murray Hill Parkway East Rutherford, NJ 07073 201-939-0663 Oldcastle 17 IGCC®/IGMA® E2190 '11	3078	MC4/PLK/ASM	U/C1	AA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ New York 895 Motor Pkwy. Hauppauge, NY 11788-8839 631-234-2200 Oldcastle 15 IGCC®/IGMA® E2190 '11	2235	BC4/GSJ/ASM	U/C2	MA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ New York 895 Motor Pkwy. Hauppauge, NY 11788-8839 631-234-2200 Oldcastle 15 IGCC®/IGMA® E2190 '11	2911	BC4/GSJ/ASM	U/C2	TBSS/TBSS	MS/MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Perrysburg Ampoint Industrial Park 291 "M" Street Perrysburg, OH 43551 419-666-2000 Oldcastle 81 IGCC®/IGMA® E2190 '11	1584	BC4/AP/SJ	U/C2	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Perrysburg Ampoint Industrial Park 291 "M" Street Perrysburg, OH 43551 419-666-2000 Oldcastle 81 IGCC®/IGMA® E2190 '11	2642	BC4/AP/SJ	U/C2	TBSS	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Phoenix 3404 W. Papago St. Phoenix, AZ 85009 602-253-6980 Oldcastle 63 IGCC®/IGMA® E2190 '11	1766	MC4/PLK/ASM	U/C2	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Rock Hill 1900 Midland St. Rock Hill, SC 29730 803-366-5167 Oldcastle 44 IGCC®/IGMA® E2190 '11	3081	MC4/PLK/ASM	U/C2	MA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Rock Hill 1900 Midland St. Rock Hill, SC 29730 803-366-5167 Oldcastle 44 IGCC®/IGMA® E2190 '11	1168	MC4/PLK	U/C2	AA	MS	PB/SI	Yes
Oldcastle BuildingEnvelope™ Shawnee 10000 N. Harrison Shawnee, OK 74804 405-275-5510 Oldcastle 61 IGCC®/IGMA® E2190 '11	1933	BC3/MC1/PLK/ASM	U/C2	AA	MS	PB/SI	
Oldcastle BuildingEnvelope™ Tampa 5115 East Hartford St. Tampa, FL 33619 813-247-3184 Oldcastle 43 IGCC®/IGMA® E2190 '11							

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Oldcastle BuildingEnvelope™ Toronto 2195 Langstaff Road Concord, ON L4K2B2 Canada 905-660-3806	2516 2652	BC4/GSJ BC4/GSJ	U/C2 U/C2	TBSS MA	MS MS	PB/SI PB/SI	Yes Yes
Oldcastle 94 IGCC®/IGMA® E2190 '11							
Oldcastle BuildingEnvelope™ Vancouver 1611 S.E. Commerce Avenue Battle Ground, WA 98604 360-816-7777	1537 2403	MC4/PLK/ASM BC4/GSJ	U/C2 U/C2	AA TBSS	MS MS	PB/SI PB/SI	Yes Yes
Oldcastle 73 IGCC®/IGMA® E2190 '11							
Oldcastle BuildingEnvelope™ Warrenton 1700 Daniel Boone Ind. Dr. Warrenton, MO 63383 636-456-3452	1604 2993	MC4/PLK/ASM MC4/PLK/ASM	U/C2 U/C2	AA AA/AA	MS MS/MS	PB/SI PB/SI	Yes Yes
Oldcastle 21 IGCC®/IGMA® E2190 '11							
Oldcastle BuildingEnvelope™ Wausau 5103 Janice Ave. Schofield, WI 54476 715-359-2432	1178 1262 1312 1319	BC3/MC1/ASM BC3/MC1/MT/ASM BC3/PLK BC3/MC1/PLK	U/C2 U/C2 U/C2/U U/C2/U	TS FS AA/AA AA/AA	DM FS MS/MS MS/MS	PB/MPU PU PB/PU PB/SI	Yes Yes Yes Yes
Oldcastle 27 IGCC®/IGMA® E2190 '11	1962	BC3/MC1/ASM	U/C2	TS	DM	PB/PU	Yes
	2583 2647	BC3/MC1/PLK/ASM BC3/MC1/PLK/ASM	U/C2/U U/C2/U	TBSS/TBSS TBSS/TBSS	MS/MS MS/MS	PB/SI PB/PU	Yes Yes
Paramount Windows 105 Panet Rd. Winnipeg, MB R2J 0S1 Canada 204-233-4966	1992	BC3/MC1/MT/ASM	U/C2	FS/FS	FS/FS	HMB	Yes
Paramount Windows IGCC®/IGMA® '11							
Patio Enclosures 720 East Highland Road Macedonia, OH 44056 330-468-0700	1851	BC4/GSJ	U/C1	FS	FS	RHMB	Yes
PEI IGCC®/IGMA® '11							
Pella Corporation - Columbia 375 Metropolitan Drive West Columbia, SC 29170 803-739-7733	2739 2740	BC3/MC1/MT/ASM BC4/ASM	U/C2 U/C2	FS SS	FS DM	HMB MPU/HMB	Yes Yes
PEL COL IGCC®/IGMA '11							

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Pella Corporation - Gettysburg	2688	BC4/MT/ASM	U/C2	FS	FS	HMB	Yes
2000 Proline Place	2692	BC4/SS/ASM	U/C2	SS	DM	MPU/HMB	Yes
Gettysburg, PA 17325-8297							
717-338-1179							
PEL GET IGCC®/IGMA '11							
Pella Corporation - Murray	2741	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB	Yes
307 Pella Way	2742	BC3/MC1/ASM	U/C2	SS	DM	MPU/HMB	Yes
Murray, KY 42071							
270-767-2636							
PEL MUR IGCC®/IGMA '11							
Pella Corporation - Pella	2818	MC4/PLK/ASM	U/C2	AA	MS	PB/PS	Yes
102 Main Street							
Pella, IA 50219							
641-621-3820							
PEL PEL IGCC®/IGMA '11							
Pella Corporation - Portland	2695	BC3/MC1/ASM	U/C2	SS	DM	MPU/HMB	Yes
18600 N.E. Wilkes	2696	BC3/MC1/ASM	U/C2	FS	FS	MPU	Yes
Portland, OR 97230							
503-405-9168							
PEL POR IGCC®/IGMA '11							
Pella Corporation - Shenandoah	2736	MC4/PLK/ASM	U/C2	TBSS	MS	PB/PS	Yes
1500 South Highway 59	2738	BC4/PLJ/ASM	U/C2	SS	MS	PB/SI	
Shenandoah, IA 51601	2862	MC4/PLK/ASM	U/C2	TBSS	MS	PB/PS	Yes
712-246-6324	2864	MC4/PLK/ASM	U/C2	TBSS	MS	PB/SI	Yes
PEL SHE IGCC®/IGMA '11	2882	MC4/PLK/ASM	U/C2	TBSS	MS	PB/PS	Yes
Pella Corporation - Sioux Center	2800	BC4/SSJ/ASM	U/C2	TBSS	MS	PB/PS	Yes
1800 North Main Avenue	2801	BC4/PLJ/ASM	U/C2	SS	MS	PB/SI	Yes
Sioux Center, IA 51250							
712-722-5609							
PEL SIO IGCC®/IGMA '11							
Pennsylvania Insulating Glass	2250	MC4/PLK/ASM	U/C3	AA	MS	PB/PU	
6395 SR 103 N, Bldg 62	2406	MC4/PLK/ASM	U/C3	AA	MS	PB/SI	
Lewistown, PA 17044							
717-247-0560							
PAG IGCC®/IGMA® '11							
Perficom S.A. DE C.V.	2852	BC4	U/C	BCS	BCS	BCS	Yes
AV. Fulton No.6							
San Juan Del Rio, Queretaro 76802 Mexico							
52-42-72-72-92-32							
Perficom IGCC®/IGMA® 2011							
PFG Glass	2470	BC3/MC1/MT/CT	U/C2	FS	FS	PB/SI	Yes
27413 55th Avenue	2578	BC3/MC1/MT/ASM	U/C2/U	FS/FS	FS/FS	MPU	Yes
Langley, BC V4W 3Y1 Canada							
PFG IGCC®/IGMA® '11							

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PGT Industries 2121 Heilig Road Salisbury, NC 28146 704-638-6000 PGT IGCC®/IGMA® '11	2529	BC3/MC1/MT	U/C2	FS	FS	PB/SI	
Pioneer Windows 200 Union Avenue Johnstown, NY 12095 Pioneer IGCC®/IGMA® '11	2663	MC4/PLK	U/C1	AA	MS	PB/HMB	
Portes Patio Resiver 100, 181e Rue Beauceville, QC G5X 2T1 Canada 418-774-2949 Portes Patio IGCC®/IGMA® '11	2758	BC4/ASM	U/C1	FS	DM	HMB	Yes
	2877	BC4/ASM	U/C1/U	FS/FS	FS/FS	HMB	Yes
PPG Inds. Inc. 8150 Industrial Blvd., Suite 200 Breiningsville, PA 18031 610-336-4358 PPG Allentown IGCC®/IGMA® '11	2297	BC3/MC1/SS/ASM	U/C3	TS	DM	MPU	Yes
Prelco Inc. 94 Boulevard Cartier Riviere-du-loup, QC G5R 2M9 Canada 418-862-2274 PRELCO IGCC®/IGMA® '11	1388	MC4/PLK/AP	U/C1	AA	MS	PB/SI	Yes
	2268	MC4/PLK/AP	U/C1	AA	MS	PB/PS	Yes
	2270	MC4/PLK/AP	U/C2	PHSS	MS	PB/SI	Yes
	2458	MC4/PLK	U/C2	SS	MS	PB/SI	Yes
	2459	MC4/PLK	U/C2	SS	MS	PB/PS	Yes
PRL Glass Systems 251 Mason Way City of Industry, CA 91746 626-961-5890 PRL IGCC®/IGMA® 2011	2905	MC4/PLK/ASM	U/C1	MA	MS	PB/PS	
	2906	MC4/PLK/ASM	U/C1	MA	MS	PB/SI	
ProTemp Glass, Inc. 360 Applewood Crescent Concord, ON L4K 4V2 Canada 905-760-0701 Prottemp IGCC®/IGMA® '11	2226	BC4/GSJ	U/C2	MA	MS	PB/PS	Yes
	2227	BC4/GSJ	U/C2	MA	MS	PB/SI	Yes
	2753	BC4/SSJ	U/C2	TBSS	MS	PB/PS	Yes
	2754	BC4/SSJ	U/C2	TBSS	MS	PB/SI	
Qinhuangdao Allide Art Glass Co., Ltd. #3 Miluojiang Road Economic & Technical Development Zone Qinhuangdao, Hebei 066004 China 86-335-8503726 Qinhuangdao Allide Art Glass IGCC®/IGMA® 2011	2827	BC4/ASM	U/	BSS/BSS	BSS/BSS	BSS/PS	Yes

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Qinhuangdao High Tech Energy Saving Dorwin Co., Ltd. Haihe Road Economic and Technical Development Zone Qinhuangdao High Tech Energy, 066004 China 335-850-3784 High Tech Energy IGCC®/IGMA® 2011	2595	BC3/MC1/PLK/ASM	U	BSS	MS	BSS/PS	
Qinhuangdao Xinhua Glass Processing Ind. Co., Ltd. Haihe Road Economic and Technical Development Zone Qinhuangdao High Tech Energy, 066004 China 335-850-3785 Xinhua Glass IGCC®/IGMA® '11	2594	BC3/MC1/ASM	U/C2	BSS	BSS	BSS/PS	
Robert Bowden, Inc. 850 White Circle Court Marietta, GA 30061 678-819-6175 RBI IGCC®/IGMA® '11	2433	BC4/PLJ/ASM	U/C2	BPS	BPS	BPS	
S N E Enterprises, Inc. 880 S. View Dr. Mosinee, WI 54455-0700 715-748-2100 SNE IGCC®/IGMA® '11	2510	BC3/MC1/CT/ASM	U/C2	BPS	BPS	BPS	
Sage Electrochromics Inc. One Sage Way Faribault, MN 55021 507-331-4959 SAGE IGCC®/IGMA® 2011	2679 2844	BC4/SSJ/ASM BC3/MC1/MT	U/C2 U/C2	SS FS	MS FS	PB/SI FS/SI	
SEMCO Hao Hiep Industrial Zone Phu Yen Province, Vietnam Vietnam (93) 902-7141 SEMCO IGCC®/IGMA® 2011	2759 2829	BC3/MC1/MT/ASM BC4/MT/ASM	U/C U/C	BSS FS	DM FS	BSS/HMB HMB	
Serious Materials, Inc. 1333 N. Hickory Avenue Chicago, IL 60622 408-541-8000 SMI Chicago IGCC®/IGMA® E2190 '11	2887 3014	BC3/MC1/MT/ASM BC2/MC2/PLK/ASM	U/C2 U/C2	FS GS	FS MS	HMB PB/HMB	
Serious Materials, Inc. 6268 Monarch Park Place Longmont, CO 80503-7119 303-530-1150 SMI Alpen IGCC®/IGMA® E2190 '11	1939 1951	BC2/MC2/PLK BC2/MC2/GSJ	U/SCF/U U/SCF/U	GS/GS GS/GS	MS/MS MS/MS	PB/PU PB/SI	Yes Yes

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Serious Materials, Inc. 1136 Industrial Park Road Vandergrift, PA 15690 412-445-4564 SMI Vandergrift IGCC®/IGMA® E2190 '11	2886	BC2/MC2/PLK	U/C2/U	GS/GS	MS/MS	PB/PU	
Shanghai Haojing Glass Co., Ltd. No. 300 Gougyue Road Bao Shan District Shanghai, China 86-21-66209881 Shanghai Haojing IGCC® '11	2670	BC4/ALJ	U/C2	AA	MS	PB/SI	
Shanghai SYP Building Glass Ltd 611 Kangqiao Road Pudong New Area, Shanghai 201315 China 86-21-38108108 SYP 01 IGCC®/IGMA® '11	1880 1881	BC4/GSJ BC4/GSJ	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Shanghai SYP Engineering Glass Ltd 75 Kangliu Road Pudong New Area, Shanghai 201315 China 86-21-38108108 SYP 02 IGCC®/IGMA® '11	2523 2524	BC4/GSJ BC4/GSJ	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Shenbo Special Architectural Glass Industrial Co., LTD Macau Industry Zone, Zhangge Village Guanlan Town Shenshen, China (8522) 317-1258 HONGKONG SHENBO LIMITED IGCC® '11	2573	BC4/GSJ	U/C3	MA	MS	PB/SI	
Shine Glass Co., Ltd. No. 3-1, Gongye 5th Road Pingzhen City, Taoyuan County Taiwan, China 886-222-9919 SYG IGCC®/IGMA® '11	2729	MC4/PLK	U/C	AA	MS	PB/PS	
Shinn Fu Pair Glass Co. No. 1-1 Wen Ming 3 Street Kweishan, Taoyuan Taiwan, China 886-332-8322 SFP IGCC®/IGMA® '11	1822	MC4/PLK	U	AA	MS	PB/SI	

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Sierra Pacific Windows 11605 Reading Road Red Bluff, CA 96080 530-527-9620 SPW IGCC®/IGMA® '11	1637	BC3/MC1/CT/ASM	U/C2	FS/FS	FS/FS	HMB	
SIGCO, Inc. 48 Spiller Drive Westbrook, ME 04092 207-775-2676 SIGCO IGCC®/IGMA® '11	1444 2203 2465 2843	MC4/PLK/ASM MC4/PLK/ASM MC4/PLK BC3/MC1/MT/ASM	U/C2 U/C3 U/C3 U/C2	AA AA TBAA FS	MS MS MS DS	PB/SI PB/SI PB/SI FS/SI	Yes
Silverline Building Products 1700 West Fork Drive Lithia Springs, GA 30122 732-558-9532 Silverline GA IGCC® '11	2826 2872	BC3/MC1/SS/ASM BC3/MT/ASM	U/C2 U/C2	TS FS	DM FS	MPU RHMP	Yes Yes
Silverline Windows & Doors 16801 South Exchange Avenue Lansing, IL 60438 708-474-9100 Silverline IL IGCC® '11	2728 2954	BC3/MC1/SS/ASM BC3/MC1/MT/ASM	U/C2 U/C2	TS FS	DM FS	MPU RHMP	Yes Yes
Silverline Windows and Doors 3801 Regency Crest Drive Dallas, TX 75041 214-221-9500 Silverline TX IGCC® '11	2746	BC3/MC1/SS/ASM	U/C2	TS	DM	MPU	Yes
Silverline Windows and Doors 2549 Innovation Drive Marion, OH 43302 740-382-5595 Silverline OH IGCC® '11	2669 2956	BC3/MC1/SS/ASM BC3/MC1/MT/ASM	U/C2 U/C2	TS FS	DM FS	MPU RHMP	Yes Yes
Silverline Windows and Doors (SIL-1) One Silver Line Drive North Brunswick, NJ 08902 800-234-4228 Silverline NJ IGCC® '11	2662 2734 2885	BC3/MC1/SS/ASM BC3/MC1/MT/ASM BC3/MC1/MT/ASM	U/C2 U/C2 U/C2/U	TS FS FS/FS	DM FS FS/FS	MPU RHMP RHMP	Yes Yes Yes
Solar Seal Co. 55 Bristol Drive South Easton, MA 02375 508-238-0112 Solar Seal IGCC®/IGMA® '11	1079	MC4/PLK/ASM	U/C1	AA	MS	PB/SI	

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Southern Wholesale Glass 111 Industrial Blvd. Americus, GA 31719 229-928-5656 Southern Wholesale IGCC®/IGMA® '11	2360	BC3/MC1/MT/ASM	U/C	FS	FS	RHMB	
Southwall Insulating Glass, LLC. 4404 West Anne Lurie Place Chicago, IL 60632 586-212-6978 Southwall IG IGCC®/IGMA® '11	2803	BC3/MC1/PLK/ASM	U/SCF/U	ZS/ZS	MS/MS	PB/PU	Yes
	2804	BC4/PLK/ASM	U/C2/U	TBSS/TBSS	MS/MS	PB/PU	Yes
	2805	BC3/MT/ASM	U/C2	FS/FS	FS/FS	HMB	Yes
	2899	BC4/ASM	U/C2/U	BCS/BCS	BCS/BCS	BCS	Yes
Standard Building Products Limited Shengfa Cun, Meili Zhen Changshu City, Jiangsu Province China (8526) 919-6060 Standard Building IGCC®/IGMA® '11	2898	BC3/MC1/ASM	U/C	BCS	BSS	BSS/PS	
Sunview Patio Doors Ltd. 500 Zenway Blvd Woodbridge, ON L4H 0S7 Canada 905-851-1006	3013	BC3/MC1/MT/ASM	U/C3	FS/FS	FS/FS	HMB	Yes
Suzhou Taifeng Glass Decoration Co. Ltd The End of Taoyuan Road Taicang City, Jiangsu China China IGCC @ CBA '04	3003	BC4/GSJ/ASM	U/C/U	AL/AL	MS/MS	HMB/PS	
Syracuse Glass Co., Inc. 1 General Motors Drive Syracuse, NY 13206 315-437-9971 SGC IGCC®/IGMA® '11	823	BC4/GSJ/ASM	U/C2	AA	MS	PB/PS	Yes
	828	BC4/GSJ/ASM	U/C2	AA	MS	PB/SI	Yes
	2975	NC4/GSJ/ASM	U/C2	TBAA	MS	PB/SI	
Tai Shan City Da Heng Art Glass Ltd. No. 1 Toi Hok Road South Industrial Zone Shui Bu Town, Tai Shan City Guangdong, 529000 China 86-750-5456889 Tai Shan IGCC®/IGMA® '11	2534	BC4/SSJ/ASM	U/C3	BSS	BSS	BSS	
Taiwan Glass USA Sales Corp. Taichung Port Industrial Cener 377 Tzui Chiang Rd., Kwan-Lien Ind. District Taichung, Taiwan 503-682-2255 Taiwan Glass Ind. Corp. 1356 IGCC®/IGMA® '11	2053	MC4/PLK	U/C1	AA	MS	PB/SI	

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Tecnoglass S.A.	1393	BC4/SSJ/AP	U/C2	MA	MS	PB/PS	Yes
Avenida Circunvalar a 100 mts de la Via 40	1813	BC4/SSJ/AP	U/C2	MA	MS	PB/SI	Yes
Barrinquila, Columbia, South America 57 5 373 4000	2683	MC4/PLK/AP	U/C2	SS	MS	PB/SI	Yes
Tecnoglass IGCC®/IGMA® '11							
Tempered Glass, Inc.	2089	BC4/GSJ/ASM	U/C2	MA	MS	PB/SI	
605 Stonehill Drive Atlanta, GA 30336 404-346-7900	2686	BC4/GSJ	U/C2	TBAA	MS	PB/SI	
TGI ATL IGCC®/IGMA® '11							
Texas Tempered Glass Inc.	2960	BC3/MC1/PLJ	U/C2	MA	MS	PB/SI	
1901 Little York Houston, TX 77093 713-697-2828							
IGCC® CBA '04							
Thai-German Specialty Glass Co., Ltd.	2059	BC4/ALJ	U/C1	AA	MS	HMB/PS	
41/8 Rama 3 Road Shongnonsea, Yannawa Bangkok, 10120 Thailand 662-294-6287	2067	BC4/PLK	U/C1	AA	MS	HMB/SI	
TGSGC IGCC®/IGMA® '11							
The Woodstone Co.	2632	MC3/MC1/MT	U/C	FS	FS	HMB	
PO Box 223 Westminster, VT 05158 603-445-2449							
WDSTN IGCC®/IGMA® '11							
Thermos BSL	2705	MC4/PLK/ASM	U/C1	SS/SS	MS/MS	PB/HMB	Yes
130 Chemin des Raymond Riviere-du-loup, QC G5R 4L9 Canada 418-862-2611	3001	MC4/PLK/ASM	U/C2	TBSS/TBSS	MS/MS	PB/HMB	Yes
Thermos BSL IGCC®/IGMA® '11							
Thermoseal Glass Corp.	2998	BC3/MC1/MT	U/C1	FS	FS	PB	Yes
400 Water Street Gloucester City, NJ 08030 856-456-3109							
TSL IGCC®/IGMA® '11							
Thompson I.G. LLC.	1367	MC4/PLK/ASM	U/C2	MA	MS	PB/PS	
3196 Thompson Rd. Fenton Operation Fenton, MI 48430 810-629-9558	2698	MC4/PLK/ASM	U/C2	MA	MS	PB/SI	
TIG IGCC®/IGMA® '11							

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Tianjin CSG Architectural Glass Co., Ltd. Fuyuan Road Wuqing Developmnet Area Tianjin, China 86-022-82173266 CSG IGCC®/IGMA® '11	2276	BC4/LC	U/C2	AA	MS	HMB/SI	Yes
Tianjin SYP Engineering Glass Ltd 1# Huatai Road Hi-tech Industrial Park Tianjin, 300409 China 86-22-86880202 SYP 03 IGCC®/IGMA® '11	2525 2526	BC4/GSJ BC4/GSJ	U/C2 U/C2	AA AA	MS MS	PB/SI PB/PS	
Tower Glass Products Corp. 95 Horton Avenue Lynbrook, NY 11563 516-887-3300 Tower Glass Products IGCC®/IGMA® 1470 '11	1470	MC4/PLK/ASM	U/C1	AA	MS	PB/SI	
TRACO (Three Rivers Alum) 71 Progress Ave. Cranberry Ind. Pk. Cranberry Township, PA 16066-3596 724-776-7000 TRACO IGCC®/IGMA® '11	2022 2997	BC4/SJ/ASM BC4/PLK/ASM	U/C1 U/C2	MA TP	MS TP	PB/SI SI	Yes Yes
Tri-Star Glass 5566 S. Garnett Rd. Tulsa, OK 74146 918-392-9678 Tri-Star IGCC®/IGMA® '11	2095 2627	BC4/GSJ/ASM BC4/GSJ/ASM	U/C2 U/C	AA AA	MS MS	PB/PS PB/SI	
Trulite Industries 1820 Courtney Park Dr. Mississauga, ON L5T1W1 Canada 905-670-7040 Trulite IGCC®/IGMA® '11	2032 2295	BC4/PLJ/ASM BC4/GSJ	U/C2 U/C2/U	AA/AA SS/SS	MS/MS MS/MS	PB/SI PB/SI	Yes Yes
Twin Pane Insulated Glass Co., Inc. 86 E. Horseblock Rd. Yaphank, NY 11980 631-924-1060 TP IGCC®/IGMA® '11	1528 2426	MC4/PLK/ASM BC4/PLJ/ASM	U/C1 U/C1	AA FS	MS FS	PB/SI HMB	
United Glass Corporation 100 Business Center Drive Cheswick, PA 15024 800-232-9050 Perma-Pane IGCC®/IGMA® '11	2038 2260	BC4/PLJ BC4/GSJ/ASM	U/C1 U/C1	TBAA MA	MS MS	PB/SI PB/SI	Yes

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United Glass Corporation 300 Dunn Street Detroit, MI 48170 800-752-3522 Perma-Pane IGCC®/IGMA® '11	2261 2277 2393 2394	MC4/PLK/ASM MC4/PLK/ASM MC4/PLK MC4/PLK	U/C2 U/C2 U/C2 U/C2	MA MA TBAA TBAA	MS MS MS MS	PB/SI PB/PS PB/PS PB/PS	
United Plate Glass 1104 Lincoln County Parkway Lincolnton, NC 28092 828-970-6110 UPG 01 IGCC®/IGMA® '11	2462	MC4/PLK/ASM	U/C2/U	MA/MA	MS/MS	PB/PU	Yes
United Plate Glass Co., Inc. 108 Grundman Lane Butler, PA 16001 800-772-7783 UPG 02 IGCC®/IGMA® '11	1513 2271	BC4/GSJ/ASM BC3/MC1/MT/ASM	U/C1/U U/C2	MA/MA FS	MS/MS FS	PB/PU PB/PU	Yes Yes
VELUX America Inc PO Box 5001 Greenwood, SC 29648-5001 864-941-4828 Velux Veltherm G IGCC®/IGMA® '11	2035	BC4/PLJ	U/C2	SS	MS	PB/SI	Yes
Vidrios Marte SA de CV Tlatilco 138 col. Mexico City, Azcapotzalco CP, 02860 Mexico 525-541-3425 Vidrios MX IGCC®/IGMA® '11	2288 2289 2339	BC3/MC1/PLK BC3/MC1/PLK BC4/SSJ	U/C U/C U/C	AA AA TBSS	MS MS MS	PB/PS PB/SI PB/PS	Yes Yes Yes
Vinyl Window Designs Ltd. 300 Chrislea Rd. Woodbridge, ON L4L 8A8 Canada 905-850-3222 VWD IGCC®/IGMA® '11	2248 2521	BC3/MC1/MT/ASM BC4/ASM	U/C3 U/C3/U	FS SS/SS	FS DM/DM	HMB MPU	Yes Yes
Vynylume Products 3745 Hendricks Road Austintown, OH 44515 330-799-2000 VL IGCC®/IGMA® '11	1928	BC3/MC1/ASM	U/C2	FS	FS	HMB	Yes
Viracon Inc. 800 Park Drive Owatonna, MN 55060 507-451-9555 Viracon IGCC®/IGMA® Owatonna, MN '11	980 1462 1911	BC4/ALJ BC4/GSJ/ASM BC4/GSJ	U/C2/U U/C2/U U/C2/U	AA/AA MA/MA SS/SS	MS/MS MS/MS MS/MS	PB/SI PB/SI PB/SI	Yes Yes Yes

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Viracon Inc. 1586 East Venture Drive St. George, UT 84790 435-652-6400 Viracon IGCC®/IGMA® St. George, UT '11	2363 2364 2552	BC4/GSJ/CT BC4/SJ/CT BC4/SJ/CT	U/C3 U/C3 U/C3	MA AA SS	MS MS MS	PB/SI PB/SI PB/SI	
Viracon Inc. 8373 Zell Miller Parkway Statesboro, GA 30458 912-871-3500 Viracon IGCC®/IGMA® Statesboro, GA '11	1529 1530 2909	BC4/GSJ/AP BC4/GSJ/AP BC4/GSJ	U/C3 U/C3 U/C2	MA AA SS/SS	MS MS MS/MS	PB/SI PB/SI PB/SI	  Yes Yes
Vitro America, Inc. 13007 Crossroads Parkway South City of Industry, CA 91746 800-303-4224 Vitro SFS IGCC®/IGMA® '11	2316 2599	MC4/PLK/ASM BC4/SSJ/ASM	U/C2 U/C2	AA AA	MS MS	PB/PS PB/SI	Yes
Vitro America, Inc. 12900 Nicholson Road Dallas, TX 75381-5547 972-484-3691 Vitro America IGCC®/IGMA® 703-11	703	BC4/GSJ	U/C1	AA	MS	PB/SI	
Vitro America, Inc. 2710 Patterson Street Greensboro, NC 27407 800-729-3909 Vitro Greensboro IGCC®/IGMA® '11	1761	MC4/PLK/ASM	U/C2	AA	MS	PB/SI	
Vitro America, Inc. 3333 Holly Hall Houston, TX 77021 713-747-5430 Vitro Houston IGCC®/IGMA® '11	2075	BC4/SSJ/ASM	U/C2	AA	MS	PB/SI	
Vitro America, Inc. 1513 North A St. Las Vegas, NV 89106 702-385-3095 Vitro Las Vegas IGCC®/IGMA® '11	2368 2369	MC4/PLK/CT MC4/PLK/ASM	U/C2 U/C2	AA AA	MS MS	PB/SI PB/MPS	
W. A. Wilson Inc. 6 Inds. Pk. Dr. Wheeling, WV 26003 304-232-2200 Starlite IGCC®/IGMA® '11	1697 2815 2912	MC4/PLK/ASM MC4/PLK/ASM MC3/MC1/MT/ASM	U/C3 U/C3 U/C3	AA AA FS	MS MS FS	PB/SI PB/PU PU	

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Weather Shield Mfg. Inc. One Weathershield Plaza Medford, WI 54451 715-748-2100 WS Med IGCC®/IGMA® '11	2488 2503	BC3/MC1/CT/ASM BC3/MC1/MT/ASM	U/C2 U/C2/U	BPS FS/FS	BPS FS/FS	BPS RHMP	
Weather Shield Mfg. Inc. 400 Legacy Lane Park Falls, WI 54552 715-762-3834 WS P IGCC®/IGMA® '11	2502	BC3/MC1/MT/ASM	U/C2	BPS	BPS	BPS	
West Coast Insulated Glass Products 17730 Crusader Avenue Cerritos, CA 90703 562-653-9797 West Coast Glass IGCC®/IGMA® '11	2383 2384 2385 2590 2591	MC4/PLK/ASM MC4/PLK/ASM MC4/PLK/ASM MC4/PLK/ASM BC3/MC1/MT/ASM	U/C2 U/C2 U/C2 U/C2 U/C2	AA AA SS AA FS/FS	MS MS MS MS FS/FS	PB/PU PU PB/PU PB/SI PU	
Westeck Windows Mfg. Inc. 8104 Evans Parkway Chilliwack, BC V2R 5R8 Canada 604-792-6700 Westeck IGCC®/IGMA® '11	2041	BC4/MT	U/C2	FS	FS	HMB	Yes
Western Reflections, Vaughan 65 Courtland Avenue Vaughan, ON L4K 3T1 Canada 616-772-9111 ODL Vaughan IGCC®/IGMA® '11	26971 29351	MC4/PLK/ASM MC4/PLK	U/C3 U/C1/U	AA AA/AA	MS MS	PB/MPU PB/MPU	
Western Reflections, Vidrio Decorativo Occidental S. A. de C.V. Meili Town Changshu City, Jiangsu Province China 616-772-9111 XYG IGCC®/IGMA® '11	27761 27781 27811	MC4/PLK/ASM BC3/MC1/ASM BC3/MC1/ASM	U/C U/C U/C	AA BSS BSS	MS DM DM	PB/PS BSS BSS/PS	
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 616-772-9111 VDO IGCC®/IGMA® '11	26371 29451 29911	BC3/MC1/MT/ASM BC3/SS/ASM BC3/MC1/ASM	U/C1 U/C1 U/C	BCS TS BSS	BCS DM DM	BCS HMB BSS	

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Western Reflections, Zeeland 215 E. Roosevelt Ave. Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	18921 27821	BC3/MC1/MT BC3/SS/ASM	U/C2 U/C1	BCS TS	BCS DM	BCS HMB	Yes
Western States Corp 180 Main Avenue Sacramento, CA 93725 916-388-5885 Western States Glass IGCC®/IGMA® '11	2625	MC4/PLK/ASM	U/C2	AA	MS	PB/PS	
White Aluminum PO Box 2402 Abu Dhabi, United Arab Emirates White Aluminum IGCC®/IGMA® '11	2335	BC4/ALJ	U/C2	AA	MS	HMB/SI	
Wholesale Glass Dist. 4287 Delp Street Memphis, TN 38118 901-332-2200 Wholesale Glass IGCC®/IGMA® '11	2279 2280	BC4/SJ BC4/SJ	U/C2 U/C2	MA MA	MS MS	PB/SI PB/PS	
Window City Industries 5690 Steeles Avenue West Vaughan, ON L4L 9T4 Canada 905-265-9975 Window City IGCC®/IGMA® '11	2610	BC3/MC1/MT/ASM	U/C2/U	FS/FS	FS/FS	HMB	Yes
Windsor Windows 2210 Stafford St. Ext. Monroe, NC 28110 704-283-7459 Windsor Windows NC IGCC®/IGMA® '11	2349	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB	Yes
Windsor Windows 900 South 19th Street West Des Moines, IA 50265 515-223-6660 Windsor Windows IA IGCC®/IGMA® '11	2285	BC3/MC1/MT/ASM	U/C2	FS	FS	HMB	Yes
Xinyi Group (Glass) Co., Ltd. Xinyi Glass Industrial Zone Humen Town, Dongguan Guangdong, 52935 China 604-273-0813 XYG IGCC®/IGMA® '11	2047 2350 2352 2353	MC4/PLK BC4/ALJ BC4/ALJ BC4/ALJ	U/C2 U/C2 U/C2 U/C2	SS MA TBSS AA	MS MS MS MS	PB/SI PB/SI PB/SI PB/SI	Yes Yes Yes Yes

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YKK AP America 3340 Chestney Road Macon, GA 31217 678-838-6077 YKK-AP IGCC®/IGMA® '11	2455	BC4/BCS/ASM	U/C2	BCS	BCS	BCS	Yes
Zadra Vetri S.R.L. Via Nicolo Tagliapietra, 33 Belluno, 32100 Italy 39-0437-934664 ZVS IGCC®/IGMA® '11	1936	MC4/PLK	U/C2	PHSS	MS	PB/SI	
	2299	MC4/PLK	U/C2	AA	MS	PB/SI	
	2700	MC4/PLK	U/C2	MA	MS	PB/SI	