

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>INTERNAL COMPONENTS</u>	<u>GICIA</u>
AAG-AI Abbar Architectural Glass Sanaa St., PO Box 1626 Ras Alkhor, Industrial Estate Dubai, United Arab Emirates 104-333-1362 AI Abbar IGCC® E2190 '11	2977	BC3/MC1	U/C1	MA	MS	PIB/S2		
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	PIB/S2		
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 BC3/MC1/MT BC3/MC1/AP BC3/MC1 BC3/MC1/AP MC4/PLK	U/C3 U/C U/C2 U/C2 U/C2/U U/C3	BCS FS TS TS/TS SS/SS AA	BCS FS DM DM/DM DM/DM MS	BCS HM HM HM HM PIB/PUR	IC IC IC IC IC	Yes Yes Yes Yes Yes
AGC Flat Glass North America 575 Currant Rd. Fall River, MA 02720 508-675-9220 AGC 07 IGCC®/IGMA® E2190 '11	3197 3198	MC4/PLK MC4/PLK	U/C2 U/C2	MA MA	MS MS	PIB/PS PIB/S1	IC IC	Yes Yes
AGC Flat Glass North America 160 N. High Street PO Box 220 Hebron, OH 43025-0220 740-929-2443 AGC 15 IGCC®/IGMA® E2190 '11	2371 2372	MC4/PLK MC4/PLK	U/C2 U/C2	MA MA	MS MS	PIB/S2 PIB/PS	IC IC	
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 MC4/PLK	U/C2 U/C2	AA AA	MS BL	PIB/PS PIB/S1	IC IC	
AGC Flat Glass North America 2522 Westcott Blvd. Knoxville, TN 37923 865-691-2040 AGC 05 IGCC®/IGMA® E2190 '11	2063 2220	MC4/PLK MC4/PLK	U/C2 U/C2	MA MA	MS MS	PIB/PS PIB/S2	IC IC	

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AGC Flat Glass North America 3200 Austell Rd. Marietta, GA 30060 770-434-2041 AGC 01 IGCC®/IGMA® E2190 '11	2356 2357	MC4/PLK MC4/GSK/AP	U/C2 U/C2	AA AA	MS MS	PIB PIB/S2	IC IC	
AGC Flat Glass North America 710 Landry Opelousas, LA 70570 337-948-7447 AGC 88 IGCC®/IGMA® E2190 '11	2341	BC4/GSJ	U/C2	MA	BL	PIB/S2		
AGC Flat Glass North America 480 California Road Quakertown, PA 18951 215-538-9424 AGC 63 IGCC®/IGMA® E2190 '11	2586 2832 2833 2931 2932	BC3/MC1/AP BC3/MC1/MT BC4 MC4/PLK BC3/MC1	U/C2 U/C3/U U/C2 U/C3 U/C3	TS/TS FS/FS SS AA BCS	DM/DM FS/FS DM MS BCS	HM/HM HM/HM HM PIB/PUR BCS	IC IC IC IC	Yes Yes
AGC Flat Glass North America 207 Watlington Industrial Rd. Reidsville, NC 27320 336-342-3878 AGC 62 IGCC®/IGMA® E2190 '11	2007 2585 2624 2928	MC4/PLK BC3/MC1/AP BC3/MC1 BC3/MC1	U/C3 U/C3/U U/C3/U U/C3/U	AA FS/FS TS/TS SS/SS	MS FS/FS DM DM/DM	PIB/PUR HM HM HM	IC IC IC	Yes Yes Yes
AGC Flat Glass North America 6200 Gorman Rd. Richmond, VA 23231 804-222-0120 AGC 10 IGCC®/IGMA® E2190 '11	2099 2477	MC4/PLK MC4/PLK	U/C2 U/C2	MA MA	MS MS	PIB/S2 PIB/PS	IC IC	Yes Yes
AGC Flat Glass North America 3515 South 300 West Salt Lake City, UT 84115 801-268-2521 AGC 19 IGCC®/IGMA® E2190 '11	2448 3010	MC4/PLK MC4/PLK	U/C2 U/C2	MA MA	MS MS	PIB/PS PIB/S2	IC IC	Yes Yes
AGC Flat Glass North America 5807 Business Park San Antonio, TX 78218 210-653-7790 AGC 26 IGCC®/IGMA® E2190 '11	2213 2355	BC4/SSJ BC4/SSJ	U/C2 U/C2	AA AA	MS MS	PIB/PS PIB/S2		
Ajiya Safety Glass SDN BHD Lot 575, 1 KM Lebuhraya Segamat-Kyantan Segamat, Johor 85000 Malaysia 607-9313133 Ajiya Safety Glass IGCC®/IGMA® 2011	2871	MC4/PLK	U/C2	MA	MS	PIB/S2		

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All Counties Glass 2020 East Minor Avenue Stockton, CA 95205 209-888-8720 ACG Stockton IGCC®/IGMA® '11	3016	MC4/PLK	U/C2	AA	MS	HM/RHM	IC	
Allweather Windows 18550, 118A Avenue North West Edmonton, AB T5S 2K7 Canada 780-451-0670 AWW IGCC® E2190 '11	2538 2539	BC3/MC1 BC3/PLK	U/C1 U/C1	TS FS	IN FS	RHM/HM HM	IC	Yes Yes
Alside Window Co.-Northwest 19720 Bothell- Everett Highway Bothell, WA 98012 (425) 481-7101 Alside Bothell IGCC®/IGMA® '11	2587 2588 3034 3250	BC3/MC1/MT BC3/MC1/SS BC3/MC1/MT BC3/MC1/SS	U/C3 U/C3 U/C3/U U/C3/U	FS TS FS/FS TS/TS	FS DM FS/FS DM/DM	HM RHM/HM HM RHM/HM	IC	Yes Yes Yes Yes
Alside Window Co-Central PO Box 2010 Akron, OH 44309 330-922-5343 Alside Cuyahoga Falls IGCC®/IGMA® '11	2839 2840 3017	BC3/MC1 BC4/MT BC3/MC1	U/C3 U/C3 U/C3/U	TS FS TS/TS	DM FS DM	HM HM HM	IC	Yes Yes IC
Alside Window Co-Midwest 3820 44th Ave. SW Cedar Rapids, IA 52401 (319) 390-4327 AWCMW IGCC®/IGMA® '11	1133 3171 3200	BC3/MC1 BC3/MC1/MT BC3/MC1/SS	U/C3 U/C3/U U/C3/U	TS FS/FS TS/TS	DM FS/FS DM/DM	HM HM HM	IC	Yes Yes Yes
Alside Window Co-SE 3800 Farmgate Road Kinston, NC 28501 252-527-5050 AWCSE IGCC®/IGMA® '11	1148 2068 2577 3103 3199	BC3/MC1 BC4/MT BC3/MC1 BC3/MC1/MT BC3/MC1/SS	U/C3 U/C3 U/C3 U/C3/U U/C3	TS FS TS/TS FS/FS TS/TS	DM FS DM/DM FS/FS DM/DM	HM HM HM HM HM	IC	Yes IC IC IC Yes
Alside Window Co-SW 7550 E. 30th St. Yuma, AZ 85365 928-344-6500 AWCSW IGCC®/IGMA® '11	2070 2551 3218 3219	BC3/MC1 BC3/MC1/MT BC3/MC1 BC3/MC1/MT	U/C3/U U/C3 U/C3/U U/C3/U	TS/TS FS TS/TS FS/FS	DM/DM FS DM/DM FS/FS	HM HM HM HM	IC	Yes IC Yes Yes
Alumco Plot 568-693 Dubai Investment Park Emirates Road PO Box No. 49668 Dubai, UAE United Arab Emirates 9714-885-43-55 Alumco IGCC®/IGMA® 2011	2851	MC4/ALK	U/C	AA	MS	PIB/S2		

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American Insulated Glass Inc. 3965 East Conley Road PO Box 750 Conley, GA 30288 404-361-9154 American Insulated Glass IGCC®/IGMA® '11	2962	BC3/MC1/MT	U/C2	FS	FS	HM/PIB	IC	
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 PHSS	MS MS	PIB/PUR PIB/PUR		
Architectural Window Mfg. Corp. 359 Veterans Blvd. Rutherford, NJ 07070 201-939-2200 AWM IGCC®/IGMA® '11	1579 2748	BC4/PSJ BC4/PSJ	U/C2 U/C1	AA MA	MS MS	PIB/S1 PIB/S1	IC	
Barracuda Manufacturing 48230 West Rd. Wixom, MI 48393 248-624-5050 Barracuda IGCC®/IGMA® '11	2076 2258	BC3/MC1/MT BC4/MT	U/C2/U U/C2	FS/FS FS	FS/FS FS	HM S1	IC IC	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	U/C	AA	MS	PS/PIB	IC	
Beijing Wuhuatianbao Glass Co. No.1 Yanhe Renri Road Liqiao Town, Shunyi District Beijing, Beijing China 86-10-85869791 Beijing Wuhuatianbao Glass IGCC®/IGMA® '11	2616 2618	BC4/ALJ BC4/ALJ	U/C3 U/C3	MA PHSS	MS MS	HM/S2 HM/S2		Yes Yes
Berkowitz J. E., LP One Gateway Boulevard PO Box 427 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 PHSS AA	MS MS MS MS	PIB/S2 PIB/S2 PIB/S2 PIB/S2		Yes

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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	PIB/S2		Yes
Brin Northwestern Glass Co. 2300 N. 2nd Street Minneapolis, MN 55411 612-529-9671 BV IGCC®/IGMA® '11	1580	BC4/GSJ/AP	U/C1	MA	MS	PIB/PUR	IC	Yes
Cardinal IG 4611 15th Ave N.W. Fargo, ND 58102 701-492-0920 CIG-6 IGCC®/IGMA® '11	1464	BC4/CT	U/C2/U	SS/SS	MS/MS	PIB/S1	IC	Yes
	1492	BC4/ALJ/CT	U/C2/U	AA/AA	MS/MS	PIB/S1	IC	Yes
	3041	BC4/PLJ	U/C	SS	MS	PIB/S1	IC	
	3042	BC4/PLJ	U/C	AA	MS	PIB/S1	IC	
Cardinal IG 301 E. McSwain Drive PO Box 99 Fremont, IN 46737 260-495-4105 CIG-5 IGCC®/IGMA® '11	1452	BC4/GSJ	U/C2/U	AA/AA	MS/MS	PIB/S1	IC	Yes
	1453	BC4/ALJ/CT	U/C2/U	SS/SS	MS/MS	PIB/S1	IC	Yes
Cardinal IG Iowa 25 N. PO Box 99 Greenfield, IA 50894 641-343-7113 CIG-2 IGCC®/IGMA® '11	1030	BC4/PLJ	U/C2/U	SS/SS	MS/MS	PIB/S1	IC	Yes
Cardinal IG 3125 Neal Creek Mill Road Hood River, OR 97031 541-354-1280 CIG-9 IGCC®/IGMA® '11	1923	BC4/ALJ	U/C2	AA	MS	PIB/S1	IC	Yes
	1924	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	Yes
	2553	BC4/ALJ	U/C2/U	AA/AA	MS/MS	PIB/S1	IC	Yes
	2554	BC4/PLJ	U/C2/U	SS/SS	MS/MS	PIB/S1	IC	Yes
Cardinal IG 50 Elmwood Rd. Mountain Top, PA 18707 570-474-3100 CIG-11 IGCC®/IGMA® '11	2221	BC4/ALJ/MT	U/C2/U	AA/AA	MS/MS	PIB/S1	IC	Yes
	2222	BC4/PLJ/MT	U/C2	SS	MS	PIB/S1	IC	Yes
Cardinal IG 1011 E. Madison St. Spring Green, WI 53588 (608) 588-3846 CIG-3 IGCC®/IGMA® '11	1036	BC4/PLJ/AF	U/C2	SS	MS	PIB/S1	IC	Yes
	1306	BC4/ALJ/AF/CT	U/C2	AA	MS	PIB/S1	IC	Yes
	3168	BC4/ALJ	U/C2/U	AA/AA	MS/MS	PIB/S1	IC	Yes
	3169	BC4/PLJ	U/C2/U	SS/SS	MS/MS	PIB/S1	IC	Yes

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Cardinal IG 1620 Town Line Rd. Tomah, WI 54660 608-372-3300 CIG-4 IGCC®/IGMA® '11	1039 1295 3126 3127	BC4/PLJ/AF BC4/ALJ/AF BC4/PLJ/AF BC4/ALJ/AF	U/C2 U/C2 U/C2/U U/C2/U	SS AA SS/SS AA/AA	MS MS MS/MS MS/MS	PIB/S1 PIB/S1 PIB/S1 PIB/S1	IC IC IC IC	Yes Yes Yes Yes
Cardinal IG 2132 Cardinal Park Drive Vinton, VA 21179 540-892-5600 CIG-10 IGCC®/IGMA® '11	1970 1971	BC4/PLJ/CT BC4/ALJ/CT	U/C2 U/C2	SS AA	MS MS	PIB/S1 PIB/S1	IC IC	Yes Yes
Cardinal IG 201 Cardinal Road Waxahachie, TX 75165 972-937-4969 CIG-8 IGCC®/IGMA® '11	1574 1718 2837 2838	BC4/ALJ BC4/PLJ BC4/PLJ BC4/PLJ	U/C2 U/C2 U/C2/U U/C2/U	AA SS AA/AA SS/SS	MS MS MS/MS MS/MS	PIB/S1 PIB/S1 PIB/S1 PIB/S1		Yes Yes Yes Yes
Cascade LBL Windows 10255 SW Spokane Court Tualatin, OR 97062-8823 503-692-6167 LBL Windows IGCC®/IGMA® '11	2817 3193	BC3/MC1/MT BC3/MC1/SS	U/C2 U/C3	FS TS	FS DM	HM HM	IC IC	
Cascade Windows Inc. 5323 Harold Gatty Drive Salt Lake City, UT 84116 801-428-7791 Cascade SLC IGCC®/IGMA® '11	2944 2989	BC3/MC1 BC3/MC1/MT	U U/C2	TS FS	DM FS	HM HM	IC IC	Yes Yes
Cascade Windows Inc. 10507 East Montgomery Drive Spokane, WA 99019-8621 509-789-3049 Cascade SPO IGCC®/IGMA® '11	2701 2967	BC3/MC1/SS BC3/MC1	U/C3 U/C3	TS FS	DM FS	HM HM	IC IC	Yes Yes
Changshu Da-Yang Glass Specialties Co., Ltd Zhoashi Town Changshu City, Jiangsu 215518 China (865125) 238-1045 Changshu Day-Yeng Glass IGCC®/IGMA® 2011	2874 2875 2876	BC3/MC1 BC3/MC1 MC4/PLK	U/C U/C U/C	BSS FS AL	BSS FS MS	BSS/HM HM PIB/HM	IC IC IC	
Changshu Hard Glass Co., Ltd. Zhouhang Haiyu Town Changsu City, Jiangsu China 86-512-52590663 Changshu IGCC®/IGMA® 2011	2592 2593	BC3/MC1/SJ MC4/PLK	U/C1/U U/C1/U	BCS/BCS AA/AA	BCS/BCS MS/MS	BCS/MPS HM/PUR	IC IC	Yes

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Changshu Weier Glass Products Co. Ltd.	3045	MC4/PLK	U/C2	AL	MS	PIB/PUR	IC	
Haiyu Town, Changshu City Changshu, Jiangsu 215519 China 86-512-52569644 Changshu Weier IGCC®/IGMA® '11	3073	MC4/PLK	U/C2	AL	MS	PIB/PUR	IC	Yes
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	PIB/S2		
Coastal Glass Distributors 7421 E. Spartan Blvd. Charleston, SC 29418-8462 843-552-6377 CGD IGCC®/IGMA® '11	2853	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	HM	IC	
Consolidated Glass & Mirror Corporation 110 Jack Guynn Drive Galax, VA 24333 276-236-5196 Consolidated IGCC®/IGMA® 11	3214	BC3/MC1/MT/ADM	U/C2	FS	FS	HMB		Yes
	3215	BC3/MC1/ADM	U/C2	BCS	BCS	BCS		Yes
Coral Industries Glass Division 3010 Rice Mine Road Tuscaloosa, AL 35406 205-345-1013 Coral IGCC®/IGMA® '11	2428	BC4/MT	U/C3	FS	FS	HM		
	2549	BC4/MT	U/C3/U	FS/FS	FS/FS	S1		
Craftsman Fabricated Products 4822 Southerland Houston, TX 77092 713-353-5800 CFP IGCC®/IGMA® '11	1868	BC3/MC1/PLJ/AJ	U/C2	MA	MS	PIB/S2		
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	PIB/S2		
Custom Glass Prod. Of Carolina 1475 Harrison Rd. PO Box 2049 Salisbury, NC 28144 704-633-4946 CGPC IGCC®/IGMA® '11	3105	MC4/PLK	U/C2	AA	MS	PIB/PS		

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Custom Glass Products Inc. 7515 Venture Circle Weston, WI 54476 715-359-2252 CGP IGCC®/IGMA® '11	2979	MC4/PLK	U/C2	MA	MS	PIB/S2	IC	
Dallas Flat Glass 2150 Hutton Drive Carrollton, TX 75006 972-506-9580 DFGD IGCC®/IGMA® 11	3038	MC4/PLK	U/C3	AA	MS	PIB/PS	IC	
Diamond Windows & Doors Mfg 99 East Cottage Street Boston, MA 02125 617-282-1688 Diamond Windows IGCC®/IGMA® '11	2694	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	
Dlubak Corporation 520 East Chestnut St. Blairsville, PA 15717 724-459-9540 Dlubak IGCC®/IGMA® '11	3124	MC4/PLK	U/C1	AA	MS	PIB/S2		
DongGuan CSG Architectural Glass Co., Ltd. CSG Green Energy Industrial Park DongGuang Machong Town, Dongguan City, China 86-769-88280936 CSG IGCC®/IGMA® 1476 '11	1476	BC4/GSJ	U/C	AA	MS	HM/PS		
	2660	BC4/GSJ	U/C	AA	MS	HM/S2		
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	PIB/RHM		
Duo Seal Glass, LLC 500 Nordhoff Place Englewood, NJ 07631 201-567-7902 Duo Seal IGCC®/IGMA® '11	2485	MC4/PLK	U/C1	AA	MS	PIB/PUR	IC	
	2486	MC4/PLK	U/C1	AA	MS	PIB/S1	IC	
Dynamic Windows & Doors Inc. 30440 Progressive Way Abbotsford, BC V3G 2L2 Canada 604-864-8200 Dynamic Windows IGCC®/IGMA® 11	2680	MC4/PLK	U/C2	AA	MS	PIB/RHM	IC	Yes

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Eckelt Glas GmbH ResthofstraBe 18 Postfach 10 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	PIB/PS PIB/PS PIB/S2		Yes Yes Yes
EFCO Corporation 1000 County Road & Bridle Lane PO Box 609 Monett, MO 65708 417-235-6011 EFCO IGCC®/IGMA® '11	2244	BC3/MC1/AP	U/C2	TS	DM	RHM/HM	IC	
Emirates Glass L.L.C. Al Quoz Indl. Area #4 PO Box 29769 Dubai, United Arab Emirates 971-434-7151 EmiratesIGCC®/IGMA® '11	2246 2334	MC4/ALK MC4/ALK	U/C1 U/C1	MA MA	MS MS	PIB/PUR PIB/S2		
FAKRO GP Sp. Z.0.0. ul. Wegierska 144A 33-300 Nowy Sacz POLAND VAT nubmer: PL 734-30-11-797 , 481-844-4035 FAKRO IGCC®/IGMA® '11	2042	BC2/MC2/PLK	U/C2	SS	MS	PIB/PUR		Yes
Fenplast, Inc. 150 rue Brossard Delson, QC J5B 1X1 Canada 514-990-0012 Fenplat IGCC®/IGMA® '11	2087	BC3/MC1/MT	U/C1/U	FS/FS	FS/FS	HM	IC	Yes
Flat Glass Distributors 5355 Shawland Road Jacksonville, FL 32254 904-354-5413 FGD IGCC®/IGMA® '11	2467	BC3/MC1/MT	U/C1	FS	FS	FS/HM	IC	
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 2895	BC4/LC1 BC4/LC1	U/C2 U/C2	AA AA	MS MS	HM/S2 HM/PS		Yes Yes

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Garibaldi Glass 8183 Wiggins Street Buranby, BC V3N 2V7 Canada 604-420-4527 Garibaldi Glass IGCC®/IGMA® 2011	2961	BC4/GSJ	U/C2	TBAA	MS	PIB/S2	IC	
General Glass 6763 NE 59th Place Portland, OR 97218 503-253-1147 General Glass IGCC®/IGMA® 11	2970	MC4/PLK	U/C2	MA	MS	PIB/PS	IC	
Gentek Building Products Ltd. Partnership 6320 Colonel Talbot Rd. London, ON N6P 1J1 Canada 519-652-3246 Gentek IGCC®/IGMA® '11	2382	BC3/AP	U/C3	FS	FS	HM	IC	Yes
GGI Glass Distributors Corp. 101 Venture Way Secaucus, NJ 07096 201-553-1850 GGI IGCC®/IGMA® '11	1963	MC4/PLK	U/C1	AA	MS	PIB/S1	IC	
Glass Dynamics 8901 220 Bypass PO Box 938 Stoneville, NC 27048 336-573-2393 GDI IGCC®/IGMA® '11	1925	BC4/SSJ	U/C2	MA	MS	PIB/S2	IC	Yes
Glass Enterprises Inc. 2277 New York Avenue Bensalem, PA 19020 215-638-1007 Beta-Pane IGCC®/IGMA® 1436 '11	1436	BC4/SJ	U/C1	AA	MS	PIB/PUR	IC	
Glass Insulators Inc. 507 Main Street Bloomer, WI 54724 715-568-3649 Glass Insulators IGCC®/IGMA® 11	2983 3144 3145 3157	BC4/GSJ BC3/MC1/MT BC4/GSJ BC3/MC1/MT	U/C2/U U/C2/U U/C2/U U/C2	MA/MA FS MA FS/FS	MS/MS FS MS FS/FS	PIB/PS PUR PIB/PUR HM	IC IC IC IC	Yes Yes Yes Yes
Glass Professionals 700 New York Avenue Des Moines, IA 50313 515-288-7427 GP IGCC®/IGMA® 1747 '11	2634	BC4/SS	U/C2	MA	MS	PIB/PS	IC	

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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	PIB/PS PIB/S2		
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	PIB/PS PIB/S1		
Glaz-Tech Industries, Inc. 8017 Edith Blvd. Albuquerque, NM 87113 (505) 898-1460 GTI Albuquerque IGCC®/IGMA® '11	1285	MC4/PLK	U/C2	AA	MS	PIB/PS		
Glaz-Tech Industries, Inc. 5098 Treasure Valley Way Nampa, ID 83687 208-389-1080 GTI Nampa IGCC®/IGMA® '11	3076	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	
Glaz-Tech Industries, Inc. 3702 West Buckeye Pheonix, AZ 85009 (602) 272-1544 GTI Pheonix IGCC®/IGMA® '11	2926	MC4/PLK	U/C2	AA	BL	PIB/PS	IC	
Glaz-Tech Industries, Inc. 2191 South 300 West Salt Lake City, UT 84115 801-467-3136 GTI SLC IGCC®/IGMA® '11	2330	MC4/PLK	U/C2	AA	MS	PIB/HM	IC	
Glaz-Tech Industries, Inc. 150 Industrial Rd. Santa Teresa, NM 88008 505-589-4970 GTI Santa Teresa IGCC®/IGMA® '11	2340	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	
Glaz-Tech Industries, Inc. 2207 East Elvira Road Tucson, AZ 85745 520-629-0268 GTI Tucson IGCC® '11	2919 2920 3109	MC4/PLK MC4/PLK MC4/PLK	U/C2 U/C2 U/C2	AA AA AA	MS MS MS	PIB/PS PIB/HM PIB/S1	IC IC IC	

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Glenny Glass Co. 209 Castleberry Court Milford, OH 45150 800-535-2133 GLG IGCC®/IGMA® '11	2427	MC4/PLK	U/C1	MA	MS	PIB/PS	IC	
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	PIB/S2		
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	PIB/S1		
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	PIB/S2		
Guangdong Avic Special Glass Technology No. 23 Shihua Blvd West Xiangshui River Industrial Park Daya Bay Huizhou, Guangdong China (7552) 763-3580 Guangdon Avic IGCC®/IGMA® '11	2614	BC4/GSJ	U/C2	AA	MS	PIB/S2		
Guardian Fabrication Inc. 5 Cudworth Road Webster, MA 01570 508-943-6600 GRD-062 IGCC®/IGMA® '11	2849	BC3/MC1/MT	U/C2	FS	FS	HM	IC	Yes
	2963	MC4/PLK	U/C2	AA	MS	PIB/S2	IC	
	2964	MC4/GSK	U/C2	PHSS	MS	PIB/S2	IC	Yes
Guardian Glass of Rogers Corp 1412 S. First St. Rogers, AR 72756 479-636-0888 GRD-028 IGCC®/IGMA® '11	2354	BC3/MC1	U/C2	BCS	BCS	BCS		

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Gulf Glass Industries, LLC 13th Industrial Area PO Box 6022 Sharjah, United Arab Emirates 971-653-8550 GGI IGCC®/IGMA® 1710 '11	1710 2096	BC4/ALJ BC4/ALJ	U/C2 U/C2	MA MA	MS MS	PIB/S2 PIB/PUR		Yes
Hankuk Haniso Co.,Ltd. Processed Glass Sector 585-14 Gajwa Dong Seo-Gu Incheon, 404-250 Korea Hankuk IGCC®/IGMA® '11	2387	BC4/MT	U/C2	AA	MS	PIB/S2		
Hartung Glass Industries 8211 Siena Avenue Sacramento, CA 95828 916-266-5700 HGI SAC IGCC®/IGMA® 11	2327 2347	BC4/GSJ/CT BC4/GSJ/CT	U/C2 U/C2	MA MA	MS MS	PIB/PS PIB/S2	IC IC	Yes Yes
Hartung Glass Industries 17830 West Valley Highway Tukwila, WA 98188 800-552-2227 HGI TUK IGCC®/IGMA® 11	2493 2494 2515	MC4/PLK MC4/PLK BC4/SJ/MT	U/C2/U U/C2/U U/C3/U	MA/MA MA/MA FS/FS	MS/MS MS/MS FS/FS	PIB/PS PIB/S2 HM	IC IC IC	Yes Yes Yes
Hartung Glass Industries 10450 SW Ridder Road Wilsonville, OR 97070 503-682-3846 HGI WIL IGCC®/IGMA® 11	2671 2672 2673 2674	BC3/MC1/MT BC4/GSJ MC4/PLK MC4/PLK	U/C2 U/C2 U/C2 U/C2	FS MA MA MA	FS MS MS MS	RHM PIB/RHM PIB/S2 PIB/PS		Yes Yes Yes Yes
Harvey Industries, Inc. 30 Jack's Bridge Road Londonderry, NH 03503-2145 603-216-8300 HII-1 IGCC®/IGMA® '11	1531 2712 2798 2799 2987 2988	BC3/MC1/AP BC3/MC1/AP BC3/MC1 BC2/MC2 BC3/MC1/AP BC3/MC1/AP	U/C3 U/C3/U U/C2 U/C2 U/C3 U/C3	TS TS/TS BCS BPS TS TS	DM DM/DM BCS BPS DM DM	HM HM/RHM BCS/RHM BPS HM HM	IC IC IC IC IC IC	Yes Yes Yes Yes Yes Yes
Harvey Industries, Inc. 7 Ledgewood Boulevard North Dartmouth, MA 02747 508-998-9779 HII-3 IGCC®/IGMA® '11	2715 2716 2718 2719 2720 3068 3069 3070 3071	BC3/MC1/AP BC3/MC1/AP BC3/MC1/AP BC3/MC1/AP BC3/MC1/AP BC3/MC1/AP BC3/MC1/AP BC3/MC1/AP BC3/MC1	U/C3 U/C2 U/C3/U U/C2/U U/C3/U U/C3 U/C3 U/C3 U/C3	TS TS TS/TS TS/TS TS/TS TS TS SS SS	DM DM DM DM DM DM DM DM DM	HM HM HM/RHM HM/RHM HM/RHM HM HM HM HM	IC IC IC IC IC IC IC IC IC	Yes Yes Yes Yes Yes Yes Yes Yes Yes

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Hehr Glass Company 1021 Walnut Ave. Pomona, CA 91766 909-628-5557 HEHR Glass 1752 IGCC®/IGMA® '11	1752 1796	MC4/PLK MC4/PLK	U/C1 U/C1	AA AA	MS MS	PIB/S2 PIB/PUR		
High Tech Energy Saving Dorwin Co., Ltd. Haihe Road Economic and Technical Development Zone Quinhuangdao, 066004 China 335-850-3784 High Tech Energy IGCC®/IGMA® 2011	2595 2596	BC3/MC1/PLK MC4/PLK	U/U U/U	BSS MA	MS MS	BSS/PS PIB/PS	IC IC	
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	PIB/S2		
Hurd Window and Doors Acquisitions, Inc. 1815 Water St. Merrill, WI 54452 715-748-1716 HWDI IGCC®/IGMA® '11	1815 1816 1818	MC4/PLK BC3/MC1 BC4/GSJ	U/C2 U/C2 U/C2	AA TS SS	MS DM DM	PIB/RHM RHM RHM	IC IC IC	Yes Yes Yes
Impact Safe Glass Co. 2705 N. 35th Street Tampa, FL 36535 813-247-5528 ISG IGCC®/IGMA® '11	2980 2992	BC3/MC1 BC3/MC1	U/C2 U/C2	BCS BCS	BCS BCS	BCS/HM HM	IC	
Insulated Glass of America, Inc. 102 East Fields Street PO Box 475 Dallas, NC 28034 704-917-0880 IGA IGCC® E2190 '11	2544	BC3/MC1/PLK	U/C2	AA	MS	PIB/S1	IC	
Insulite Glass Co., Inc. 780 W. Frontier Circle PO Box 2803 Olathe, KS 66063-0803 913-780-2233 ISL IGCC®/IGMA® 1702 '11,	1702 2008 2735	BC4/GSJ BC4/GSJ BC4/GSJ	U/C2 U/C U/C1	MA MA PHSS	MS MS MS	PIB/S2 PIB/PS PIB/PS	IC IC IC	

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Insulpane of Connecticut Ind. 30 Edmond St. Hamden, CT 06517 203-865-8212	1966 2208	BC3/MC1/PLK MC4/PLK	U/C2 U/C1	AA AA	MS MS	PIB/PS PIB/HM	IC IC	
Insulpane CT IGCC®/IGMA® '11								
International Glass Products 11111 Colbert Ville D'Anjou, QC H1J 2S1 Canada 514-494-1575	2319 2981	BC3/MC1 BC3/MC1	U/C1 U/C1	TS SS	DM DM	RHM RHM	IC IC	Yes Yes
Inde-Pane IGCC®/IGMA® '11								
Intigral 6750 Vistoria East Austintown, OH 44515 330-793-7677	1200 2661 3025 3026	BC3/MC1/AP BC3/MC1 BC3/MC1/MT BC3/MC1/MT	U/C3 U/C2/U U/C3/U U/C3/U	TS SS/SS FS/FS FS/FS	DM DM/DM FS/FS FS/FS	HM RHM/HM HM HM	IC IC IC IC	Yes Yes Yes Yes
EST IGCC®/IGMA® '11	3027 3028	BC3/MC1/MT BC3/MC1/MT	U/C3/U U/C3/U	FS/FS FS/FS	FS/FS FS/FS	HM HM	IC IC	Yes Yes
Intigral 6705 Wales Road Northwood, OH 43619 419-661-9395	2519 2522 2640	BC3/MC1/AP BC4/PLJ BC3/MC1	U/C3 U/C3/U U/C3	TS TS/TS FS	DM DM FS	HM RHM/HM HM	IC IC IC	Yes Yes Yes
EST IGCC®/IGMA® '11								
Intigral 7850 Northfield Rd. Walton Hills, OH 44146 440-439-0980	1268 1606 1724 1788	BC3/MC1 BC3/MC1/MT BC3/MC1/AA BC3/MC1	U/C3 U/C3/U U/C3/U U/SCF/U	TS FS/FS TS/TS TS/TS	DM FS/FS DM/DM DM/DM	HM HM RHM/HM PIB/PUR	IC IC IC IC	Yes Yes Yes Yes
EST IGCC®/IGMA® '11	2037 2302 3031 3032	BC3/MC1 BC3/MC1/SSJ BC3/MC1/MT BC3/MC1/MT	U/C3 U/C3/U U/C3/U U/C3/U	TS SS/SS FS/FS FS/FS	DM DM/DM FS/FS FS/FS	RHM/HM RHM HM HM	IC IC IC IC	Yes Yes Yes Yes
Jasan Glass - JSG 459-1 Neojo-Ri, Jori-Eup, Paju Gyeonggi, 413-821 South Korea 82-31-941-6289	2274 2275	BC4/ALJ BC4/SSJ	U/C1 U/C2	MA SS	MS MS	PIB/S2 PIB/S2		
Jasan Glass 2274/2275 IGCC®/IGMA® '11								
Jersey Tempered Glass, Inc. 2035 Briggs Rd. Mt. Laurel, NJ 08054 856-273-8700	689 750	MC4/PLK MC4/PLK	U/C3 U/C3	AA AA	MS MS	PU PIB/PUR	IC IC	
JTG IGCC®/IGMA® '11								

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Jiangmen SYP Engineering Glass Ltd	2856	BC4/GSJ	U/C2	AA	MS	PIB/S2		
10# Yinyuan Road	2857	BC4/GSJ	U/C2	AA	MS	PIB/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	U/C2	FS	FS	FS/HM	IC	
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	U/C	BSS	DM	BSS	IC	
Chaoyang New Street, Jingang Road	2811	BC3/MC1	U/C	BSS	DM	BSS/PS	IC	
The Economic Development Zone	2812	BC3/MC1	U/C	BSS	DM	BSS/PS	IC	
Jinzhou City, Liaoning Province 121007 China	2813	BC3/MC1/CT	U/C	BCS	DM	BSS/PS	IC	
86-416-3581084	2814	BC3/MC1/CT	U/C	BSS	DM	BSS/PS	IC	
Jinzhou Fortune Glass IGCC®/IGMA® 2011								
Kenyon Stained Glass Factory, Inc.	2391	BC3/MC1/PLK	U/C2	AA	MS	PU	IC	
5720 North Meadows Drive Grove City, OH 43123 614-539-8740								
Kenyon IGCC®/IGMA® '11								
KINRO, Inc.	2568	BC3/MC1/MT	U/C3	FS	FS	HM	IC	Yes
2423 Messick Rd.	2684	BC3/MC1	U/C3	TS	DM	HM	IC	Yes
Goshen, IN 46526	2756	BC3/MC1/SS	U/C3	SS	DM	HM	IC	Yes
574-534-6660	3094	BC4/SS	U/C2	TS	DM	HM	IC	Yes
KINRO IN IGCC®/IGMA® '11								
KINRO, Inc.	2073	BC3/MC1/CT	U/C3	TS	DM	HM	IC	Yes
944 North Kings Road Nampa, ID 83687 208-466-4523	3008	BC3/MC1/MT	U/C3	FS	FS	HM	IC	
KINRO ID IGCC®/IGMA® '11								
KML Windows, Inc.	2373	BC4/MT	U/C1	FS	FS	RHM	IC	Yes
71 Second Street Strathroy, ON N7G 3H8 Canada 519-245-2270								
KML IGCC®/IGMA® 11								

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Lamiver Inc. 3805 Dollard Desjardins Montreal, QC H1B 5W9 Canada 514-640-6490 Lamiver IGCC®/IGMA® 11	3011 3012	MC4/PLK MC4/PLK	U/C2 U/C2	AA AA	MS MS	PIB/PUR PIB/S2		
Mannix Exterior Wall Systems, Inc. 345 Crooked Hill Road Brentwood, NY 11717 631-231-0800 Mannix IGCC®/IGMA® 1746 '11	1746	MC4/PLK	U/C2	AA	MS	PIB/PUR		
Marvin Windows and Doors PO Box 100 Warroad, MN 56763 218-386-1430 Marvin Windows IGCC®/IGMA® 11	1848	MC4/PLK	U/C2	AA	MS	PIB/PUR	IC	Yes
Mid-American Glass 147 S. Sturdevant St. PO Box 3428 Davenport, IA 52808-3428 563-326-6294 Mid American IGCC®/IGMA® '11	2315	MC4/PLK	U/C3	AA	MS	PIB/RHM	IC	
Miroirs Laurier 153 boul. Laurier Laurier-Station, QC G0S 1N0 Canada 418-728-2023 MLG IGCC®/IGMA® E2190 '11	2559 2629	MC4/PLK MC4/PLK	U/C2 U/C2	PHSS PHSS	MS MS	PIB/PS HM/S2	IC IC	Yes Yes
MLC Glass 2553 23 Mile Road Shelby Township, MI 48316 586-731-1630 MLC IGCC®/IGMA® '11	2307 2611 2612	BC4/PLJ BC4/GSJ MC4/PLK	U/C2 U/C2 U/C2	MA TBTS SS	MS MS MS	PIB/PS PIB/PS PIB/PS	IC IC IC	Yes Yes Yes
Nanjing New Neeyo Glass Industrial Co., Ltd. Spin Industry Garden Qingshuiting West Road Jiangning Development District, Nanjing China 86-25-83585270	3005	BC4/GSJ	U/C2	AA	MS	PIB/S2		
Northwest Glass, Inc. 127 Regal St. PO Box 21258 Billings, MT 59104 406-252-7196 NWG IGCC®/IGMA® '11	2424 865	MC4/PLK//CT MC4/PLK/CT	U/C2 U/C2/U	AA AA/AA	MS MS/MS	HM PU	IC IC	 Yes

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Northwestern Inds, Inc. 2501 Commodore Way Seattle, WA 98199 206-285-3140 NWI Sea WA IGCC® '11	1635	BC4/GSJ	U/C2/U	MA/MA	MS/MS	PIB/S2	IC	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	PIB/S2		
Norwood Classic Window and Entrance Systems 249 Parker Road Scoudouc, NB E4P 3P8 Canada 506-533-2538 NCW IGCC® E2190 '11	2730	MC4/PLK	U/C2/U	PHSS/PHSS	MS/MS	PIB/PS	IC	Yes
ODL, Changshu ZhongXin Building Materials Co., Ltd. Meili Town Changshu City, Jiangsu Province 215500 China 616-748-5401 XYG IGCC®/IGMA® '11	2776	MC4/PLK	U/C	AA	MS	PIB/PS	IC	
	2778	BC3/MC1	U/C	BSS	DM	BSS	IC	
	2781	BC3/MC1	U/C	BSS	DM	BSS/PS	IC	
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	PIB/RHM		Yes
	2950	MC4/PLK	U/C3	AA	MS	PIB/RHM	IC	Yes
	3061	BC3/MC1/MT	U/C2	FS	FS	RHM	IC	Yes
ODL, Inc. 215 E. Roosevelt Avenue Zeeland, MI 49464 616-772-9111 ODL Zeeland IGCC®/IGMA® '11	1892	BC3/MC1/MT	U/C1	BCS	BCS	BCS	IC	
	3052	BC3/MC1/CT	U/C2	TS	DM	HM	IC	
	3053	MC4/PLK	U/C2	AA	MS	PS	IC	
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	U/C1	BCS	BCS	BCS	IC	
	2991	BC3/MC1	U/C	BCS	BCS	BCS/PUR	IC	
	3083	MC4/PLK	U/C2	AA	MS	PIB/PUR	IC	
	3089	BC3/MC1	U/C2	BCS	BCS	BCS/PUR	IC	
	3090	BC4/SS	U/C2	TS	DM	HM	IC	
	3118	BC3/MC1/MT	U/C2	FS	FS	HM	IC	

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OKALUX GmbH	1866	MC4/PLK	U/C2	MA	MS	PIB/S2		
Am Jospershecklein 1	2656	BC4/PLJ	U/C2	SS	MS	PIB/PS		Yes
97828 Marktheidenfeld-Atfeld	3263	MC4/PLK	U/C2	MA	MS	PIB/PS		Yes
Deutschland, Germany	3264	BC4/PLJ	U/C2	SS	MS	PIB/PS		
939-190-0241								
OKA IGCC®/IGMA® '11								
Oldcastle BuildingEnvelope™	1968	MC4/PLK	U/C2	MA	MS	PIB/S1	IC	Yes
5334 Barthel Drive	2501	BC4/SSJ	U/C2	PHSS	MS	PIB/S1	IC	Yes
PO Box 130								
Albertville, MN 55301								
763-497-3212								
Oldcastle 22 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™	1537	MC4/PLK	U/C2	AA	MS	PIB/S2	IC	Yes
1611 S.E. Commerce Avenue	2403	MC4/PLK	U/C2	PHSS	MS	PIB/S2	IC	Yes
Battle Ground, WA 98604								
360-816-7777								
Oldcastle 73 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™	1823	BC4/PLJ/MT	U/C2	AA	MS	PIB/S2	IC	
1001 Foster Ave.								
Bensenville, IL 60106								
630-595-3750								
Oldcastle 23 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™	1424	MC4/PLK	U/C2	AA	MS	PIB/PUR	IC	Yes
4257 30th St.	2605	MC4/PLK	U/C2	SS	MS	PIB/S2	IC	Yes
PO Box 54	732	MC4/PLK	U/C12	AA	MS	PIB/S2	IC	Yes
Burnips, MI 49314								
616-896-8341								
Oldcastle 28 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™	2703	MC4/PLK	U/C2/U	SS/SS	MS/MS	PIB/S2	IC	Yes
3601 - 72 Avenue SE	2725	MC4/PLK	U/C2/U	PHSS/PHSS	MS/MS	PIB/S2	IC	
Calgary, AB T2C2K3 Canada	2878	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	RHM	IC	Yes
403-279-2544	2879	MC4/PLK	U/C2/U	AA/AA	MS/MS	PIB/S2	IC	Yes
Oldcastle 93 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™	1289	BC4/PLJ	U/C1	AA	MS	PIB/RHM	IC	Yes
4161 S Morgan St.	1986	MC4/PLK	U/C1	AA	MS	RHM	IC	Yes
Chicago, IL 60609	1987	BC4/PLJ	U/C1	AA	MS	PIB/S1		Yes
773-523-8400								
Oldcastle 24 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™	2516	BC4/GSJ	U/C2	PHSS	MS	PIB/S2		Yes
2195 Langstaff Road	2652	BC4/GSJ	U/C2	MA	MS	PIB/S2		Yes
Concord, ON L4K2B2 Canada								
905-660-3806								
Oldcastle 94 IGCC®/IGMA® E2190 '11								

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Oldcastle BuildingEnvelope™ 14117 Industrial Park Blvd, NE Covington, GA 30014 678-212-7700 Oldcastle 42 IGCC®/IGMA® E2190 '11	914	MC4/PLK/AP	U/C2	MA	MS	PIB/S2	IC	
Oldcastle BuildingEnvelope™ 11205 E. 37th Ave. Denver, CO 80239 303-371-5511 Oldcastle 71 IGCC®/IGMA® E2190 '11	1940 2689	BC3/MC1/CT MC4/PLK	U/C2/U U/C2/U	FS/FS AA/AA	FS/FS MS/MS	RHM PIB/S2	IC IC	Yes Yes
Oldcastle BuildingEnvelope™ 99 Murray Hill Parkway East Rutherford, NJ 07073 800-647-7673 Oldcastle 17 IGCC®/IGMA® E2190 '11	3078	MC4/PLK	U/C1	AA	MS	PIB/S2	IC	Yes
Oldcastle BuildingEnvelope™ 6850 Stevenson Blvd. Fremont, CA 94538 510-651-2292 Oldcastle 84 IGCC®/IGMA® E2190 '11	1111	MC4/PLK	U/C2	AA	MS	PIB/S2	IC	
Oldcastle BuildingEnvelope™ 1101 Fountain Pkwy. Grand Prairie, TX 75050 972-647-4028 Oldcastle 83 IGCC®/IGMA® E2190 '11	3079 3080	BC3/MC1/GSJ BC4/GSJ	U/C2 U/C2	MA MA	MS MS	PIB/S1 PIB/HM		
Oldcastle BuildingEnvelope™ 895 Motor Pkwy. PO Box 18039 Hauppauge, NY 11788-8839 631-234-2200 Oldcastle 15 IGCC®/IGMA® E2190 '11	2235 2911	BC4/GSJ BC4/GSJ	U/C2 U/C2/U	MA PHSS/PHSS	MS MS/MS	PIB/S2 PIB/S2	IC IC	Yes Yes
Oldcastle BuildingEnvelope™ 1331 W. Sam Houston Pkwy N. Houston, TX 77043 713-464-5611 Oldcastle 65 IGCC®/IGMA® E2190-11	1137	BC4/SSJ	U/C2	AA	MS	PIB/S2	IC	Yes
Oldcastle BuildingEnvelope™ 4635 W. 84th St., Ste. 100 Indianapolis, IN 46268 317-876-1155 Oldcastle 29 IGCC®/IGMA® E2190 '11	653	MC4/PLK/AP	U/C2/U	MA/MA	MS/MS	PIB/S2	IC	Yes

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Oldcastle BuildingEnvelope™ 5075 275th Street Langley, BC V4W 0A8 Canada 604-607-1300	2322	MC4/PLK	U/C2/U	AA/AA	MS/MS	PIB/HM	IC	Yes
Oldcastle 91 IGCC®/IGMA® E2190 '11	2323	MC4/PLK	U/C2/U	AA/AA	MS/MS	PIB/S2	IC	Yes
Oldcastle BuildingEnvelope™ 5631 Ferguson Dr. Los Angeles, CA 90022 323-887-6000	1437	MC4/PLK	U/C2	AA	MS	PIB/S2	IC	
Oldcastle 74 IGCC®/IGMA® E2190 '11	1101	MC4/PLK	U/C1	AA	MS	PIB/S1	IC	
Oldcastle BuildingEnvelope™ 17851 NW Miami Court Miami, FL 33169 305-652-3350	2084	BC4/SJ	U/C1	AA	MS	PIB/S2	IC	Yes
Oldcastle 12 IGCC®/IGMA® E2190 '11	2642	BC4/AP/SJ	U/C2	PHSS	MS	PIB/S2		Yes
Oldcastle BuildingEnvelope™ Ampoint Industrial Park 291 "M" Street Perrysburg, OH 43551 419-666-2000	3262	BC4/AP/SJ	U/C2	AA	MS	PIB/S2		Yes
Oldcastle 81 IGCC®/IGMA® E2190 '11	1766	MC4/PLK	U/C2	AA	MS	PIB/S2	IC	
Oldcastle BuildingEnvelope™ 3404 W. Papago St. Phoenix, AZ 85009 602-253-6980	2883	MC4/PLK	U/C2/U	AA/AA	MS/MS	PIB/S2		Yes
Oldcastle 63 IGCC®/IGMA® E2190 '11	2884	MC4/PLK	U/C2/U	PHSS/PHSS	MS/MS	PIB/S2		Yes
Oldcastle BuildingEnvelope™ 12755 boul Industriel Pointe-aux-Trembles, QC H1A 4Z6 Canada 514-640-5355	3081	MC4/PLK	U/C2	MA	MS	PIB/S2	IC	Yes
Oldcastle 95 Montreal IGCC®/IGMA® '11								
Oldcastle BuildingEnvelope™ 1900 Midland St. Rock Hill, SC 29730 803-366-5167								
Oldcastle 44 IGCC®/IGMA® E2190 '11								

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Oldcastle BuildingEnvelope™ 5103 Janice Ave. Schofield, WI 54476 715-359-2432	1262 1312 1319 2583	BC3/MC1/MT BC3/PLK BC3/MC1/PLK BC3/MC1/PLK	U/C2 U/C2/U U/C2/U U/C2/U	FS AA/AA AA/AA PHSS/PHSS	FS MS/MS MS/MS MS/MS	PU PIB/PUR PIB/S2 PIB/S2	IC IC IC	Yes Yes Yes Yes
Oldcastle 27 IGCC®/IGMA® E2190 '11	2647	BC3/MC1/PLK	U/C2/U	PHSS/PHSS	MS/MS	PIB/PUR	IC	Yes
Oldcastle BuildingEnvelope™ 10000 N. Harrison Shawnee, OK 74804 405-275-5510	1168	MC4/PLK	U/C2	AA	MS	PIB/S1		Yes
Oldcastle 61 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™ 5115 East Hartford St. Tampa, FL 33619 813-247-3184	1933	BC3/MC1/PLK	U/C2	AA	MS	PIB/S2	IC	
Oldcastle 43 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™ 1700 Daniel Boone Ind. Dr. Warrenton, MO 63383 636-456-3452	1604 2993	MC4/PLK MC4/PLK	U/C2 U/C2/U	AA AA/AA	MS MS/MS	PIB/S1 PIB/S1	IC IC	Yes Yes
Oldcastle 21 IGCC®/IGMA® E2190 '11								
Oldcastle BuildingEnvelope™ 300 Cooperative Way Wright City, MO 63390 636-745-3030	2043 2206 2400 2893	BC4/MC1/GSJ BC4/GSJ BC4/SSJ BC4/MC1/GSJ	U/C2 U/C2/U U/C2 U/C2/U	MA SS/SS PHSS MA/MA	MS MS/MS MS MS/MS	PIB/S2 PIB/S2 PIB/S2 PIB/S2		Yes Yes Yes Yes
Oldcastle 35 IGCC®/IGMA® E2190 '11								
Paramount Windows 105 Panet Rd. Winnipeg, MB R2J 0S1 Canada 204-233-4966	1992	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	HM	IC	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	RHM		Yes
PEI IGCC®/IGMA® '11								
Pella Corporation 2000 Proline Place Gettysburg, PA 17325-8297 717-338-1123	2688 2692	BC3/MC1/MT BC3/MC1	U/C2 U/C2	FS SS	FS DM	HM RHM/HM	IC IC	Yes Yes
PEL GET IGCC®/IGMA® 11								

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Pella Corporation	2741	BC3/MC1/MT	U/C2	FS	FS	HM	IC	Yes
307 Pella Way	2742	BC3/MC1	U/C2	SS	DM	RHM/HM	IC	Yes
Murray, KY 42071	3293	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	Yes
270-767-2636								
PEL MUR IGCC®/IGMA® 11								
Pella Corporation	2818	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	Yes
102 Main Street								
Pella, IA 50219								
641-621-3820								
PEL PEL IGCC®/IGMA® 11								
Pella Corporation	2736	MC4/PLK	U/C2	PHSS	MS	PIB/PS	IC	Yes
1500 South Highway 59	2738	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	
Shenandoah, IA 51601	2862	MC4/PLK	U/C2	PHSS	MS	PIB/PS	IC	Yes
712-246-6324	3294	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	Yes
PEL SHE IGCC®/IGMA® 11								
Pella Corporation	2800	BC4/SSJ	U/C2	PHSS	MS	PIB/PS	IC	Yes
1800 North Main Avenue	2801	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	
Sioux Center, IA 51250	3291	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	Yes
712-722-5609								
PEL SIO IGCC®/IGMA® 11								
Pella Corporation	2739	BC3/MC1/MT	U/C2	FS	FS	HM	IC	Yes
375 Metropolitan Drive	2740	BC1/MC1	U/C2	SS	DM	RHM/HM	IC	Yes
West Columbia, SC 29170								
803-739-7733								
PEL WCOL IGCC®/IGMA® 11								
Pella Corporation - Portland	2695	BC3/MC1	U/C2	SS	DM	RHM/HM	IC	Yes
18600 N.E. Wilkes Road	2696	BC3/MC1/MT	U/C2	FS	FS	RHM	IC	Yes
Portland, OR 97230	3292	BC4/PLJ	U/C2	SS	MS	PIB/S1	IC	Yes
503-405-9168								
PEL POR IGCC®/IGMA '11								
Pennsylvania Insulating Glass	2250	MC4/PLK	U/C3	AA	MS	PIB/PUR	IC	
6395 SR 103 N, Bldg 62	2406	MC4/PLK	U/C3	AA	MS	PIB/S1	IC	
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	PIB/S2		Yes
27413 55th Avenue	2578	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	RHM	IC	Yes
Langley, BC V4W 3Y1 Canada	3043	BC3/MC1/MT	U/C2	FS	FS	PIB/RHM	IC	
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	PIB/S2		
Pioneer Windows 200 Union Avenue Johnstown, NY 12095 518-762-5526 Pioneer IGCC®/IGMA® '11	2663	MC4/PLK	U/C2	AA	MS	PIB/HM		
Portes Patio Resiver 100, 181e Rue Beauceville, QC G5X 2T1 Canada 418-774-2949 Portes Patio IGCC®/IGMA® '11	2877	BC4	U/C1/U	FS/FS	FS/FS	HM	IC	Yes
PPG Inds. Inc. 400 Park Circle Drive Carlisle, PA 17013 717-486-3336 PPG Allentown IGCC®/IGMA® '11	2297	BC3/MC1/SS	U/C3	TS	DM	RHM	IC	Yes
Prelco Inc. 94 Boulevard Cartier Riviere-du-loup, QC G5R 2M9 Canada 418-862-2274 PRELCO IGCC®/IGMA® '11	1388 2268 2270 2458 2459	MC4/PLK/AP MC4/PLK/AP MC4/PLK/AP MC4/PLK MC4/PLK	U/C1 U/C1 U/C2 U/C2 U/C2	AA AA PHSS SS SS	MS MS MS MS MS	PIB/S2 PIB/PS PIB/S2 PIB/S2 PIB/PS		Yes Yes Yes Yes Yes
Prelco MTL Inc. 3740 Dollard-Desjardins Montreal, QC H1B 5X2 Canada 514-640-1122 LIT IGCC®/IGMA® E2190 '11	2491 2597 2598	MC4/PLK MC4. PLK MC4/PLK	U/C1 U/C1 U/C1	AA AA PHSS	MS MS MS	PIB/S2 PIB/PS PIB/PS	IC	Yes Yes Yes
PRL Glass Systems 251 Mason Way City of Industry, CA 91746 626-961-5890 PRL IGCC®/IGMA® 2011	2905 2906	MC4/PLK MC4/PLK	U/C1 U/C1	MA MA	MS MS	PIB/PS PIB/S2	IC IC	
ProTemp Glass, Inc. 360 Applewood Crescent Concord, ON L4K 4V2 Canada 905-760-0701 Prottemp IGCC®/IGMA® '11	2226 2227 2753 2754	BC4/GSJ BC4/GSJ BC4/SSJ BC4/SSJ	U/C2 U/C2 U/C2 U/C2	MA MA PHSS PHSS	MS MS MS MS	PIB/PS PIB/S2 PIB/PS PIB/S2		Yes Yes Yes Yes

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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	U/C1/U	BSS/BSS	BSS/BSS	BSS/PS	IC	Yes
Qinhuangdao Xinhua Glass Processing Ind. Co., Ltd. Haihe Road Economic and Technical Development Zone Qinhuangdao, 066004 China 335-850-3784 Xinhua Glass IGCC®/IGMA® '11	2594	BC3/MC1	U/C2	BSS	BSS	BSS/PS	IC	
Reem Emirates Aluminum ICAD-1 Mussafah PO Box 36863 Abu Dhabi, UAE UAE (9712) 599-4301 Reem IGCC®/IGMA® 11	2996	BC4/PLK	U/C3	MA	MS	PIB/S2		
Robert Bowden, Inc. 850 White Circle Court PO Box 4237 Marietta, GA 30061 678-819-6163 RBI IGCC®/IGMA® '11	2433	BC4/PLJ	U/C2	BPS	BPS	BPS	IC	
Sage Electrochromics Inc. One Sage Way Faribault, MN 55021 507-331-4959 SAGE IGCC®/IGMA® 2011	2679	BC4/SSJ	U/C2	SS	MS	PIB/S1	IC	Yes
	2844	BC3/MC1/MT	U/C2	FS	FS	FS/S2		
SEMCO Hao Hiep Industrial Zone Phu Yen Province, Vietnam Vietnam (939) 027-7141 SEMCO IGCC®/IGMA® 2011	2759	BC3/MC1/MT	U/C	BSS	DM	BSS/HM	IC	
	2829	BC4/MT	U/C	FS	FS	HM	IC	
Serious Energy, Inc. 5400 Spine Road Boulder, CO 80301 303-530-1150 SMI Alpen IGCC®/IGMA® E2190 '11	1939	BC2/MC2/PLK	U/SCF/U	GS/GS	MS/MS	PIB/PUR		Yes
	1951	BC2/MC2/GSJ	U/SCF/U	GS/GS	MS/MS	PIB/S1		Yes
	3162	BC2/MC2/PLK/AP	U/SCF2/C2	GS/GS/FS	MS/MS	PIB/PUR		

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Serious Energy, Inc. 1333 N. Hickory Avenue Chicago, IL 60622 408-541-8000 SMI Chicago IGCC®/IGMA® 11	2887 3014	BC3/MC1/MT BC2/MC2/PLK	U/C2 U/C2	FS GS	FS MS	HM PIB/HM	IC IC	
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	PIB/S1		
Shanghai SYP Building Glass Ltd 611 Kangqiao Road Pudong New Area, Shanghai 201315 China 86-22-38108108 SYP 01 IGCC®/IGMA® '11	1880 1881	BC4/GSJ BC4/GSJ	U/C2 U/C2	AA AA	MS MS	PIB/S2 PIB/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	PIB/S2 PIB/PS		
Shenbo Special Architectural Glass Industrial Co., LTD Macau Industry Zone, Zhangge Village Guanlan Town Shenzhen, China 86-852-21173390 HONGKONG SHENBO LIMITED IGCC® '11	2573	BC4/GSJ	U/C3	MA	MS	PIB/S2		
Shenzhen Jiayeda Glass Processing Co., Ltd No. 2 Zone A, Tangtou Industrial Area Shiyan, Shenzhen 5810000 China 852-6952-0203 Shenzhen Jiayeda IGCCIGMA® 11	3123	MC4/PLK	U/C	AA	MS	PIB/S1		
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	PIB/PS		

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Shinn Fu Pair Glass Co. No. 1-1, Wen Ming 3 Street Kweishan, Taoyuan Taiwan, China 886-3-3283226 SFP IGCC®/IGMA® '11	1822	MC4/PLK	U	AA	MS	PIB/S2		
Sierra-Pacific 11605 Reading Road PO Box 8489 Red Bluff, CA 96080 530-527-9620 SPW IGCC® E2190 11 + order#	1637	BC3/MC1/CT	U/C2/U	FS/FS	FS/FS	HM	IC	
SIGCO, Inc. 48 Spiller Drive Westbrook, ME 04092 207-775-2676 SIGCO IGCC®/IGMA® '11	1444 2203 2465 2843 3131 3132	MC4/PLK MC4/PLK MC4/PLK BC3/MC1/MT MC4/PLK BC3/MC1/MT	U/C2 U/C3 U/C3 U/C2 U/C2 U/C2	AA AA TBAA FS PHSS FS	MS MS MS DS MS FS	PIB/S2 PIB/S2 PIB/S2 FS/S2 PIB/S2 RHM	IC IC IC IC IC IC	Yes IC IC IC IC IC
Silver Line Windows 3801 Regency Crest Drive Dallas, TX 75041 214-221-9500 Silverline TX IGCC®/IGMA® '11	2746 3074 3075	BC3/MC1/SS BC3/MC1/GS BC3/MC1/GS	U/C2 U/C2 U/C2	TS TS TS	DM DM DM	RHM RHM RHM	IC IC IC	Yes IC IC
Silver Line Windows 16801 South Exchange Avenue Lansing, IL 60438 708-474-9100 Silverline IL IGCC®/IGMA® '11	2728 2954	BC3/MC1/SS BC3/MC1/MT	U/C2 U/C2	TS FS	DM FS	RHM RHM	IC IC	Yes Yes
Silver Line Windows 1700 West Fork Drive Lithia Springs, GA 30122 770-819-9311 Silverline GA IGCC®/IGMA® '11	2826 2872	BC4 BC3/MC1/MT	U/C2 U/C2	TS FS	DM FS	RHM RHM	IC IC	Yes Yes
Silver Line Windows 2549 Innovation Drive Marion, OH 43302 740-382-5595 Silverline OH IGCC®/IGMA® '11	2669 2956	BC3/MC1/SS BC3/MC1/MT	U/C2 U/C2	TS FS	DM FS	RHM RHM	IC IC	Yes Yes
Silver Line Windows One Silver Line Drive North Brunswick, NJ 08902 800-234-4228 Silverline NJ IGCC®/IGMA® '11	2662 2734 2885	BC3/MC1/SS BC3/MC1/MT BC3/MC1/MT	U/C2 U/C2 U/C2/U	TS FS FS/FS	DM FS FS/FS	RHM RHM RHM	IC IC IC	Yes Yes Yes

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Solar Seal Co. 55 Bristol Drive South Easton, MA 02375 508-238-0112 Solar Seal IGCC®/IGMA® '11	1079	MC4/PLK	U/C1	AA	MS	PIB/S2	IC	
Southern Wholesale Glass 111 Industrial Blvd. Americus, GA 31719 229-928-5656 Southern Wholesale IGCC®/IGMA® '11	2360	BC3/MC1/MT	U/C	FS	FS	RHM	IC	
Southwall Insulating Glass, LLC. 4404 West Ann Lurie Place Chicago, IL 60632 586-212-6978 Southwall IG IGCC®/IGMA® '11	2803	BC3/MC1/PLK	U/SCF/U	ZS/ZS	MS/MS	PIB/PUR	IC	Yes
	2804	BC4/PLK	U/C2/U	TBSS/TBSS	MS/MS	PIB/PUR	IC	Yes
	2805	BC3/MT	U/C2/U	FS/FS	FS/FS	HM	IC	Yes
	2899	BC4	U/C2/U	BCS/BCS	BCS/BCS	BCS	IC	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	U/C	BCS	BSS	BSS/PS	IC	
Sunview Patio Doors Ltd. 500 Zenway Blvd Woodbridge, ON L4H 0S7 Canada 905-851-1006 Suview Patio Doors IGCC®/IGMA® '11	3013	BC3/MC1/MT	U/C3/U	FS/FS	FS/FS	HM	IC	Yes
Suzhou Taifeng Glass Decoration Co. Ltd The End of Taoyuan Road Taicang City, Jiangsu China China 0086-512-53553995 Suzhou Taifeng IGCC®/IGMA® '11	3003	BC4/GSJ	U/C/U	AL/AL	MS/MS	HM/PS	IC	
Syracuse Glass Co., Inc. 1 General Motors Drive Syracuse, NY 13206 315-437-9971 SGC IGCC®/IGMA® '11	2975	NC4/GSJ	U/C2	TBAA	MS	PIB/S2	IC	
	823	BC4/GSJ	U/C2	AA	MS	PIB/PS	IC	Yes
	828	BC4/GSJ	U/C2	AA	MS	PIB/S2	IC	Yes
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	U/U	BSS	BSS	BSS	IC	

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Taiwan Glass USA Sales Corp. Taichung Port Industrial Cener 377 Tzui Chiang Rd., Kwan-Lien Ind. District Taichung, Taiwan (5564) 639-0333 Taiwan Glass Ind. Corp. 1356 IGCC®/IGMA® '11	2053	MC4/PLK	U/C1	AA	MS	PIB/S2		
Tecnolglass S.A. Avenida Circunvalar a 100 mts de la Via 40 Barranquilla, Columbia 57 5 373 4000 Tecnoglass IGCC®/IGMA® '11	1393	BC4/SSJ/AP	U/C2	MA	MS	PIB/PS		Yes
	1813	BC4/SSJ/AP	U/C2	MA	MS	PIB/S2		Yes
	2683	MC4/PLK/AP	U/C2	SS	MS	PIB/S2		Yes
Texas Tempered Glass Inc. 1901 Little York Houston, TX 77093 713-697-2828 Texas Tempered IGCC®/IGMA® '11	2960	BC3/MC1/PLJ	U/C2	MA	MS	PIB/S1		
Thai-German Specialty Glass Co., Ltd. 41/8 Rama 3 Road Shongnonsea, Yannawa Bangkok, 10120 Thailand 662-294-6287 TGSGC IGCC®/IGMA® '11	2059	BC4/ALJ	U/C1	AA	MS	HM/PS		
	2067	BC4/PLK	U/C1	AA	MS	HM/S2		
The Woodstone Co. PO Box 223 Westminster, VT 05158 603-445-2449 WDSTN IGCC®/IGMA® '11	2632	BC3/MC1/MT	U/C	FS	FS	HM		
Thermos BSL 130 Chemin des Raymond Riviere-du-loup, QC G5R 4L9 Canada 418-862-2611 Thermos BSL IGCC®/IGMA® '11	2705	MC4/PLK	U/C1	SS/SS	MS/MS	PIB/HM	IC	Yes
	3001	MC4/PLK	U/C2/U	TBSS/TBSS	MS/MS	PIB/HM	IC	Yes
Thermoseal Glass Corp. 400 Water Street Gloucester City, NJ 08030 856-456-3109 TSL IGCC®/IGMA® '11	2998	BC3/MC1/MT	U/C1	FS	FS	PIB		Yes
Thompson I.G. LLC. 3196 Thompson Rd. Fenton Operation Fenton, MI 48430 810-629-9558 TIG IGCC®/IGMA® '11	1367	MC4/PLK	U/C2	MA	MS	PIB/PS	IC	
	2698	MC4/PLK	U/C2	MA	MS	PIB/S1	IC	

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Tianjin CSG Architectural Glass Co., Ltd. Fuyuan Road Wuqing Development Area Tianjin, China, China 86-022-82173266 CSG IGCC®/IGMA® '11	2276 2336 3286 3287	BC4/LC BC4/LC BC4/LC BC4/LC	U/C2 U/C2 U/C2 U/C2	AA AA AA AA	MS MS MS MS	HM/S2 PIB/PS HM/S2 HM/S2		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	PIB/S2 PIB/PS		
Tower Glass Products Corp. 95 Horton Avenue Lynbrook, NY 11563 516-887-3300 Tower Glass Products IGCC®/IGMA® 1470 '11	1470	MC4/PLK	U/C1	AA	MS	PIB/S1	IC	
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 BC4	U/C1 U/C1	MA TP	MS TP	PIB/S2 S2	IC IC	Yes Yes
Tri-Star Glass 5566 S. Garnett Rd. Tulsa, OK 74146 918-392-9678 Tri-Star IGCC®/IGMA® '11	2095 2627	BC4/GSJ BC4/GSJ	U/C2 U/C	AA AA	MS MS	PIB/PS PIB/S2	IC IC	
Trulite Glass and Aluminum Solutions 605 Stonehill Drive Atlanta, GA 30336 404-346-7900 TGI ATL IGCC®/IGMA® '11	2089 2686	BC4/GSJ BC4/GSJ	U/C2 U/C3	MA TBAA	MS MS	PIB/S2 PIB/S2	IC	
Trulite Glass and Aluminum Solutions 11950 E. 33rd Ave. Aurora, CO 80010 303-340-4290 ARA W31 IGCC®/IGMA® 2011	1990 1991	MC4/PLK/CT MC4/PLK	U/C2 U/C2	AA AA	MS MS	PIB/S1 PIB/PS	IC IC	
Trulite Glass and Aluminum Solutions 750 Cardinal Drive Bridgeport, NJ 08014 800-237-5148 BPT W07 IGCC®/IGMA® 2011	1591 2836	BC4/GSJ BC4/SSJ	U/C2 U/C2	AA AA	MS MS	PIB/S2 PIB/PS	IC	

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Trulite Glass and Aluminum Solutions 100 Business Center Drive Cheswick, PA 15024 800-232-9050 Perma-Pane IGCC®/IGMA® '11	2038 2260	BC4/PLJ BC4/GSJ	U/C1 U/C1	TBAA MA	MS MS	PIB/S2 PIB/S2		
Trulite Glass and Aluminum Solutions 19430 East San Jose St. City of Industry, CA 91746 800-303-4224 Vitro SFS IGCC®/IGMA® '11	1976 1977 2316 2599	MC4/GSK MC4/GSK MC4/PLK BC4/SSJ	U/C2 U/C2 U/C2 U/C2	AA AA AA AA	MS MS MS MS	PIB/PS PIB/S2 PIB/PS PIB/S2	IC IC IC	 Yes Yes
Trulite Glass and Aluminum Solutions 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	PIB/PS PIB/S2		
Trulite Glass and Aluminum Solutions 12900 Nicholson Road PO Box 815547 Dallas, TX 75381-5547 972-484-3691 Vitro America IGCC®/IGMA® 703-11	703	BC4/GSJ	U/C1	AA	MS	PIB/S2		
Trulite Glass and Aluminum Solutions 300 Dunn Street Detroit, MI 48170 800-752-3522 Perma-Pane IGCC®/IGMA® '11	2261 2277 2394	MC4/PLK MC4/PLK MC4/PLK	U/C2 U/C2 U/C2	MA MA TBAA	MS MS MS	PIB/S2 PIB/PS PIB/PS	IC IC	
Trulite Glass and Aluminum Solutions 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	PIB/S2 PIB/PS		
Trulite Glass and Aluminum Solutions 2710 Patterson Street PO Box 7130 Greensboro, NC 27407 800-729-3909 Vitro Greensboro IGCC®/IGMA® '11	1761 3097	MC4/PLK MC4/PLK	U/C2 U/C2	AA TBAA	MS MS	PIB/S2 PIB/S2	IC	
Trulite Glass and Aluminum Solutions 3333 Holly Hall Houston, TX 77021 713-747-5430 Vitro Houston IGCC®/IGMA® '11	2075	BC4/SSJ	U/C2	AA	MS	PIB/S2	IC	

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Trulite Glass and Aluminum Solutions 7701 W. New York St. Indianapolis, IN 46214 800-876-0646 IND W14 IGCC®/IGMA® 2011	1323 2002	MC4/PLK MC4/PLK	U/C2 U/C2	AA AA	MS MS	PIB/PS PIB/S2	IC IC	
Trulite Glass and Aluminum Solutions 1513 North A St. Las Vegas, NV 89106 702-385-3095 Vitro Las Vegas IGCC®/IGMA® '11	2368 2369	MC4/PLK/CT MC4/PLK	U/C2 U/C2	AA AA	MS MS	PIB/S1 PIB/MPS	IC IC	
Trulite Glass and Aluminum Solutions 1401 W Broadway PO Box 1203 Louisville, KY 40201 502-584-6145 LPG IGCC®/IGMA® '11	1281 2897	MC4/PLK MC4/PLK	U/C2 U/C	AA AA	MS MS	PIB/S2 PIB/PS		
Trulite Glass and Aluminum Solutions 5434 Farm Road (FM) 1488 Magnolia, TX 77354 800-348-0282 MAG W32 IGCC®/IGMA® 2011	1988	BC4/SSJ/MT	U/C3	AA	MS	PIB/MPS		
Trulite Glass and Aluminum Solutions 5700 South Moreland Road New Berlin, WI 53155 800-242-2071 NBR W23 IGCC®/IGMA® 2011	2484	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	Yes
Trulite Glass and Aluminum Solutions 3320-B Maggie Blvd. Orlando, FL 32811 800-367-7211 ORL W04 IGCC®/IGMA® 2011	1821 1908	BC4/GSJ BC4/GSJ	U/C2 U/C2	AA AA	MS MS	PIB/MPS PIB/S2	IC IC	
Trulite Glass and Aluminum Solutions 1825 S. 43rd Avenue Phoenix, AZ 85009 800-854-8022 PHX W30 IGCC®/IGMA® 2011	1597 1598	MC4/PLK MC4/PLK	U/C2 U/C2	AA AA	MS MS	PIB/S2 PIB/PS	IC IC	
Trulite Glass and Aluminum Solutions 1655 South Awl Circle Salt Lake City, UT 84104 801-656-1660 SLC W34 IGCC®/IGMA® 2011	2329 2332	MC4/PLK MC4/PLK	U/C2 U/C2	AA AA	MS MS	PIB/PS PIB/S2	IC IC	

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Trulite Glass and Aluminum Solutions 8531 E. 44th Street Tulsa, OK 74145 918-665-6655 TUL W41 IGCC®/IGMA® '11	1960	BC4/ALJ	U/C2	AA	MS	MPS/PS		
Trulite Glass and Aluminum Solutions 540 Industrial Court West Villa Rica, GA 30180 800-241-7462 VRA W08 IGCC®/IGMA® 2011	2254	MC4/GSK	U/C2	AA	MS	PIB/PS	IC	
Trulite Glass and Aluminum Solutions 285 Northbrook Drive Youngsville, NC 27596 919-435-3050 YGV W20 IGCC®/IGMA® 2011	1485	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	
	1647	MC4/PLK	U/C2	AA	MS	PIB/S2	IC	
Trulite Industries 1820 Courtney Park Dr. Mississauga, ON L5T1W1 Canada 905-670-7040 Trulite IGCC®/IGMA® '11	2032	BC4/PLJ	U/C2/U	AA/AA	MS/MS	PIB/S2	IC	Yes
	2295	BC4/GSJ	U/C2/U	SS/SS	MS/MS	PIB/S2		Yes
Twin Pane Insulated Glass Co., Inc. 86 E. Horseblock Rd. PO Box 279 Yaphank, NY 11980 631-924-1060 TP IGCC®/IGMA® '11	1528	MC4/PLK	U/C1	AA	MS	PIB/S1	IC	
	2426	BC4/PLJ	U/C1	FS	FS	HM	IC	
United Plate Glass 1104 Lincoln County Parkway Lincolnton, NC 28092 828-970-6110 UPG 01 IGCC®/IGMA® '11	2462	MC4/PLK	U/C2	MA	MS	PIB/PUR	IC	Yes
United Plate Glass Co., Inc. 108 Grundman Lane Butler, PA 16001 800-772-7783 UPG 02 IGCC®/IGMA® '11	1513	BC4/GSJ	U/C1/U	MA/MA	MS/MS	PIB/PUR	IC	Yes
	2271	BC3/MC1/MT	U/C2	FS	FS	PIB/PUR	IC	Yes
VELUX-America, Inc. PO Box 5001 Greenwood, SC 29648-5001 864-941-4828 Velux IGCC®/IGMA® '11	2035	BC4/PLJ	U/C2	SS	MS	PIB/S1		Yes

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Vetroseal Glass Specialties Inc. 901 Rowntree Dairy Road Woodbridge, ON L4L 5W9 Canada 905-850-9171 Vetroseal IGCC®/IGMA® '11	2984	BC3/MC1/MT	U/C3/U	FS/FS	FS/FS	HM	IC	Yes
Vidrios Marte SA de CV	2288	MC4/PLK	U/C2	AA	MS	PIB/PS		Yes
Tlatilco 138 col.	2289	MC4/PLK	U/C2	AA	MS	PIB/S2		Yes
Mexico City, Azcapotzalco CP, 02860 Mexico 525-541-3425 Vidrios MX IGCC®/IGMA® '11	2339	MC4/SSK	U/C2	PHSS	MS	PIB/PS		Yes
Vinyl Window Designs Ltd. 300 Chrislea Rd. Woodbridge, ON L4L 8A8 Canada 905-850-3222 Vinyl Window Designs IGCC®/IGMA® '11	2248	BC3/MC1/MT	U/C3	FS	FS	HM	IC	Yes
	2521	BC4	U/C3/U	SS/SS	DM/DM	RHM	IC	Yes
Vinylume Products 3745 Hendricks Road Austintown, OH 44515 330-799-2000 VL IGCC®/IGMA® '11	1928	BC3/MC1	U/C2	FS	FS	HM	IC	Yes
Viracon Inc. 800 Park Drive PO Box 990 Owatonna, MN 55060 507-451-9555 Viracon IGCC®/IGMA® Owatonna, MN '11	1462	MC4/ALK	U/C3	MA	MS	PIB/S2		Yes
	1911	MC4/ALK	U/C3	SS	MS	PIB/S2		Yes
	980	MC4/ALK	U/C2	AA	MS/MS	PIB/S2		Yes
Viracon Inc. 1586 East Venture Drive St. George, UT 84790 435-652-6400 Viracon IGCC®/IGMA® St. George, UT '11	2363	BC4/GSJ/CT	U/C3	MA	MS	PIB/S2		
	2364	BC4/SJ/CT	U/C3	AA	MS	PIB/S2		
	2552	BC4/SJ/CT	U/C3	SS	MS	PIB/S2		
Viracon Inc. 8373 Zell Miller Parkway Statesboro, GA 30458 912-871-3500 Viracon IGCC®/IGMA® Statesboro, GA '11	1529	BC4/GSJ/AP	U/C3	MA	MS	PIB/S2		
	1530	BC4/GSJ/AP	U/C3	AA	MS	PIB/S2		Yes
	2909	BC4/GSJ	U/C2/U	SS/SS	MS/MS	PIB/S2		Yes
W. A. Wilson Inc. 6 Inds. Pk. Dr. PO Box 6712 Wheeling, WV 26003 304-232-2200 Starlite IGCC®/IGMA® '11	1697	MC4/PLK	U/C3	AA	MS	PIB/S1	IC	
	2815	MC4/PLK	U/C3	AA	MS	PIB/PUR	IC	Yes
	2912	MC3/MC1/MT	U/C3	FS	FS	PU	IC	Yes

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Weather Shield Mfg. Inc. 1201 Adams Avenue E. PO Box 432 Ladysmith, WI 54848 715-748-2100 WS L IGCC®/IGMA® '11	2507	BC3/MC1/CT	U/C2	BPS	BPS	BPS	IC	
Weather Shield Mfg. Inc.	2488	BC3/MC1/CT	U/C2	BPS	BPS	BPS	IC	Yes
One Weathershield Plaza PO Box 309 Medford, WI 54451 715-748-2100 WS Med IGCC®/IGMA® '11	2503	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	RHM	IC	Yes
	2985	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	RHM	IC	
Weather Shield Mfg. Inc. 829 North 8th Street 400 Legacy Lane Park Falls, WI 54552 715-762-3834 WS P IGCC®/IGMA® '11	2502	BC3/MC1/MT	U/C2	BPS	BPS	BPS	IC	
Weathershield - Mosinee Division 880 S. View Dr. Mosinee, WI 54455-0700 715-748-2100 WS IGCC®/IGMA® S '11	2510	BC3/MC1/CT	U/C2	BPS	BPS	BPS	IC	
West Coast Insulated Glass Products 17730 Crusader Avenue Cerritos, CA 90703 562-653-9797 West Coast Glass IGCC®/IGMA® '11	2383	MC4/PLK	U/C2	AA	MS	PIB/PUR	IC	Yes
	2384	MC4/PLK	U/C2	AA	MS	PU	IC	
	2385	MC4/PLK	U/C2	SS	MS	PIB/PUR	IC	Yes
	2590	MC4/PLK	U/C2	AA	MS	PIB/S1	IC	
	2591	BC3/MC1/MT	U/C2/U	FS/FS	FS/FS	PU	IC	
	3048	MC4/PLK	U/C2	PHSS	MS	PIB/PUR	IC	
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	HM		Yes
Western States Corp 180 Main Avenue Sacramento, CA 93725 916-388-5885 Western States Glass IGCC®/IGMA® '11	2625	MC4/PLK	U/C2	AA	MS	PIB/PS	IC	
White Aluminum PO Box 2402 Abu Dhabi, United Arab Emirates 971-255-0083 White Aluminum IGCC®/IGMA® '11	2335	BC4/ALJ	U/C2	AA	MS	HM/S2		

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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	PIB/S2 PIB/PS		
Window City Industries 5690 Steeles Avenue West Vaughan, ON L4L 9T4 Canada 905-265-9975 Window City IGCC®/IGMA® '11	2610 3284	BC3/MC1/MT BC3/MC1/MT	U/C3 U/C2/U	FS FS/FS	FS FS/FS	HM HM	IC IC	Yes Yes
Windsor Windows 2210 Stafford St. Ext. Monroe, NC 28110 704-283-7459 Windsor Windows NC IGCC®/IGMA® '11	2349	BC3/MC1/MT	U/C2	FS	FS	HM	IC	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	U/C2	FS	FS	HM	IC	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 PHSS AA	MS MS MS MS	PIB/S2 PIB/S2 PIB/S2 PIB/S2		Yes Yes Yes Yes
YKK AP America 3340 Chestney Road Macon, GA 31217 678-838-6077 YKK-AP IGCC®/IGMA® '11	2455	BC4/BCS	U/C2	BCS	BCS	BCS	IC	Yes
Zadra Vetri S.R.L. Via Nicolo Tagliapietra, 33 Belluno, 32100 Italy 39-0437-934664 ZVS IGCC®/IGMA® '11	1936 2700	MC4/PLK MC4/PLK	U/C2 U/C2	PHA MA	MS MS	PIB/S2 PIB/S2		
Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd Weiba Road Linjiang Industrial Zone, Xiaoshan District Handzhou City, Zhejiang Province 311228 China 86-571-82128899 Zhejiang Zhongli IGCC®/IGMA® '11	3066 3067	BC4/GSJ BC4/GSJ	U/C3 U/C3	AA AA	MS MS	PIB/PS PIB/S2		Yes Yes