

IGMA INSULATING
GLASS
MANUFACTURERS
ALLIANCE

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igmac

CERTIFIED PRODUCTS DIRECTORY

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IGMAC CERTIFICATION PROGRAM CERTIFIED PRODUCTS LIST

EXPLANATION OF PROGRAM

The Insulating Glass Manufacturers Alliance is pleased to provide regulators, architects, specifiers and other interested parties with this list of manufacturers who are participating in its insulating glass certification program for the CGSB 12.8 standard and with information about their certified products lines.

Transferred to IGMAC from the Federal Government in the early 1980's, this program promotes the consistent production of high quality Insulating Glass Units. Each product line undergoes rigorous testing against the Canadian General Standards Board (CGSB) 12.8 Standard for Insulating Glass Units and the manufacturer must maintain a quality control program approved by IGMAC. In addition, each product line is independently audited at least twice a year and retested every two years. Auditing services are provided by Intertek Testing Services, and each approved test laboratory must be Standards Council of Canada (SCC) accredited for testing to the CGSB 12.8 Standard. The administration of the program is provided by IGMA.

The certification process is as follows:

1. Manufacturers apply directly to the program administrator to certify their insulating glass product lines. The application consists of a detailed product line description and the appropriate fees.
2. The auditor then visits the manufacturing facility and witnesses the manufacture of test samples for each product line. The samples are labelled by the auditor and forwarded by the manufacturer to one of the IGMAC approved test laboratories. The auditor performs at least two unannounced compliance audits each year to ensure that no unauthorized changes has been made to the certified product line(s) and that the required quality control program is being carried out. The auditor will also verify that the certification mark is being used correctly. In the year of re-certification, one of the compliance audits will be a facility audit.
3. The test laboratory evaluates the product line against the CGSB 12.8 Standard. This takes approximately three months.
4. Manufacturers who gas fill their insulating glass units with an inert gas such as Argon or Krypton and wish to identify their insulating glass units as certified to the IGMAC program must also participate in the Gas Content Certification Program.
5. Manufacturers who offer products with internal components such as muntins, grills, decorative inserts, blinds, etc. must test units with these internal components for volatile fogging.
6. A final test report is sent to the program administrator who determines if the product line can be granted certification and assigned an IGMAC Certification Number. If certification is granted to a new manufacturing location, a license agreement is

executed.

ACCREDITATION

In November, 2018 the American National Standards Institute (ANSI) issued ISO/IEC 17065 Accreditation to AMS, Inc., the IGMAC® Certification Body (CB), and in turn, the IGMAC® Certification Program. This Accreditation is a formal recognition of fulfilling the requirements of the ISO/IEC 17065:2012 standard, as well as ANSI's own accreditation requirements.

What is Accreditation?

Accreditation is similar to certification. Just like in certification there is an independent party who assesses and determines whether or not an organization meets specific requirements. In the case of ANSI's assessment of the IGMAC® Certification Program and AMS, Inc., they were assessed to ISO standard ISO/IEC 17065:2012. The end result is called accreditation.

Who is ANSI?

The American National Standards Institute is a not-for-profit entity providing assessment and accreditation of bodies performing third-party conformity assessment (certification), among other services. ANSI also brings global recognition to conformity assessment through several international and regional arrangements for multilateral recognition, including the International Accreditation Forum (IAF). In addition, ANSI has a memorandum of understanding (MoU) with the Standards Council of Canada (SCC). All of this helps bring global acknowledgement to conformity assessment. Information from: *ansica.org*, Why Seek Accreditation?, 2015. Web. August 19, 2015.

What is ISO/IEC 17065:2012?

ISO/IEC 17065:2012 is an internationally-recognized standard for bodies certifying products, processes and services. It is the main source of criteria used to assess the IGMAC® Certification Program and AMS, Inc. The standard specifies requirements that, according to ISO/IEC 17065:2012, "ensure that certification bodies operate certification programs in a competent, consistent and impartial manner...". Some of the most critical aspects of a sound product certification program are examined, such as ensuring inspectors and staff are properly trained in product review, and perhaps most importantly, validating that only products that meet IGMAC® Program requirements are the only ones granted certification.

How will this affect a Fabricator's IGMAC® Certification?

Accreditation of the IGMAC® Certification Program and AMS, Inc. is the formal recognition that they have met strict requirements placed on them. This means that as a fabricator, operator or provider of certified products, you can be sure that the IGMAC® Certification Program is operated to some of the highest quality standards in the world. Because the IGMAC® Certification Program and AMS, Inc. have always followed stringent guidelines there will be minimal changes to the certification program. When changes are necessary though, you will be notified in advance. Though the IGMAC® Certification Program requirements won't change much due to the accreditation, it does offer an opportunity for fabricators to show conformance to an ANSI-Accredited certification program, an

invaluable association to set you apart in the market. For more information, and restrictions and limitations, please contact AMS, Inc.

Disclaimers

While there are significant benefits to being associated with this accreditation, accreditation doesn't mean that ANSI approves certified products, processes, or services of fabricators. In addition, the ANSI Accreditation symbol and ANSI logo are not permitted to be displayed on any product or its packaging.

Questions or Want to Learn More?

If you have any questions or need additional information regarding any of the topics presented above, please feel free to contact AMS, Inc. at (315) 646-2234, or email us at staff@amscert.com.

IGMA CERTIFICATION COMMITTEE

The IGMA Certification Committee oversees the administration of the program and rules on certification and non-compliance issues.

PERMANENT CERTIFICATION MARK

All certified product lines must have a permanent certification mark. Usually this mark is found on the spacer bar or etched on the glass. As a minimum, the mark consists of the following:

1. The "IGMAC" trademark.
2. The manufacturer's name or approved abbreviation.
3. The location of the manufacturing facility.
4. The year of manufacture.

IGMA WEB SITE

The IGMAC Certified Products List is available on the IGMA website at www.igmaonline.org. The list of participating manufacturers and their certified products on our web site will be updated continuously and may or may not match the printed document that is only published twice a year.

OTHER PROGRAMS

The CSA International certification program for fenestration products requires that IGMAC Certified insulating glass units be used in all certified window product lines. For further information, please contact CSA International at 416-747-4000 or visit their web site at www.csa-international.org. The Siding and Window Dealers Association of Canada (SAWDAC) also has a window installation program called "Window Wise". For more information please call SAWDAC at 519-651-2812.

FOR FURTHER INFORMATION

For further information about the IGMAC Certification Program or about the IGMA Association, please contact the program administrator:

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or visit our website at: www.igmaonline.org

EXPLANATION OF THE CERTIFIED PRODUCTS LIST

There are four main generic categories that are used to describe the product line. A certification number is issued to each product line certified by each manufacturing location:

1. Connector
2. Spacer Bar
3. Desiccant
4. Sealant(s)

There are three more additional fields provided in the Certified Products Directory

1. # of glazing lites (double, triple or quad).
2. GCIA or NC – indicating participation in the Gas Content Initial and After Cycling component of the IGMAC certification program.
3. Internal Components – type of components tested for volatile fog.

In addition to the four main generic categories that are used to describe the product line, the gas fill is also identified.

The Gas Content Certification Program includes both an initial gas content of 90% averaged over ten test specimens selected at random and an after weathering gas content of 80% measured on the same test specimens selected for initial gas content measurement. Product lines that have successfully met the requirements of the Gas Content Program are identified by the addition of the letter "G" after the unique IGMAC number. On the Certified Products Directory, these product lines carry the designation GCIA.

Product lines are required to re-certify every two years providing no changes have been made to the product line.

In each main category, there are a number of sub-categories that generically describe the types of products. Manufacturers are generally not allowed to switch from one sub-category to another without retesting, however, permission from the IGMAC Program Administrator to make a change without retesting can be sought by filing a Request for Waiver of Retest.

A detailed explanation of all the product codes is as follows:

CODE CONNECTORS (CON)

MC-1	Single Connector (Single Key or Screw)
MC-4	4 Corner Mechanical Connector
CC	CC = Continuous Welded
LC	LC = Linear Connection
N/A	Not Applicable

CODE SPACER - GENERIC

AA	Aluminum (Anodized)
AM	Aluminum (Mill Finished)
	Aluminum (Painted, Aludized, Powder, etc.)
AO	
DS	Butyl composite spacer
DL	Butyl polycarbonate spacer
IX	Polymer plastic spacer
INS	U-channel (Stainless Steel) spacer
INT	U-channel (Tin plated steel) spacer
	Foam Spacer Metalized multi-layer vapour barrier
FSM	Foam Spacer Solid aluminum multi-layer vapour barrier
FSS	vapour barrier
FSP	Foam Spacer Plastic/Polymer foam back of spacer - no metal based multi-layer vapour barrier
PHSS	Polymer Hybrid Stainless Steel
PPA	Polymer Plastic Aluminum
PPSS	Polymer Plastic Stainless Steel
SG	Steel (Galvanized)
SM	Steel (Mill Finished)
SS	Stainless Steel
SO	Steel Other (Painted etc.)
SZ	Nickel/Zinc Plated Steel
TBA	Thermally broken anodized aluminum
TBC	Thermally broken Chrome
TBS	Thermally Broken Steel
TBT	Thermally Broken Tin
	Butyl sealant spacer (Aluminum or Stainless Steel)
TS	
TX	Polycarbonate spacer
TP	Thermoplastic spacer

CODE SEALANT

PIB	Polyisobutylene
PS	Two Component Polysulfide
SI	One Component Silicone
S2	Two Component Silicone
HM	Hot Melt Butyl Thermoplastic
RHM	Hot Melt Butyl Thermoset
PUR	Two Component Polyurethane

CODE GAS

GCIA	Gas Content Initial & After Weathering
AIR	Not certified for gas content

CODE DESICCANT

MS	Molecular Sieve
SG	Silica Gel
BL	Blended MS & SG
DM	Desiccated matrix (integral to spacer)
OT	Other (specify)

APPENDIX A
LIST OF CERTIFIED MANUFACTURING LOCATIONS
AND THEIR PRODUCT LINES

<u>Company Name & Location</u>	<u>IGMAC #</u>	<u>Connector</u>	<u>Spacer</u>	<u>Desiccant</u>	<u>Sealant</u>	<u># of Lites**</u>	<u>Certified for Internal Components</u>	<u>Gas Content Program & Type *</u>
24 Hour Thermal Glass Insulated Ltd. Concord, ON	011709G	LC	FSM	DM	HM	3	Y	GCIA
AGM Inc. Winnipeg, MB	011404	LC	FSS	DM	PIB+S2	3	N	AIR
AGM Inc. Winnipeg, MB	021810	LC	FSS	DM	PIB+HM	3	N	AIR
Airtite Insulating Glass Concord, ON	010809G	MC-4	TBT	MS	PIB+PS	2	Y	GCIA
Airtite Insulating Glass Concord, ON	020715G	MC-4	AM	MS	PIB+PS	2	Y	GCIA
Allsco Building Supplies Ltd. Moncton, NB	010906G	LC	FSM	DM	HM	3	Y	GCIA
Anderson Windows Sundridge, ON	011009G	CC	DL	DM	HM	2	Y	GCIA

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*GCIA – Gas Content Initial and After Weathering – Initial 90% and After Cycling 80% Gas Content Requirements for test specimens

AIR – Not certified for gas content

**Triple glazed units qualify double glazed units with the same construction

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Atlantic Windows Port Elgin, NB	019517G	LC	FSM	DM	HM	3	Y	GCIA
AVS Windows Ltd. Surrey, BC	021318	CC	DL	DM	DL	2	N	AIR
Berdick Mfg. (Manitoba) Ltd. Winkler, MB	029919G	LC	FSM	DM	HM	3	Y	GCIA
Berdick Mfg. (Pacific) Ltd. Penticton, BC	020625G	CC	DS	DM	DS	2	Y	GCIA
Bethel Windows & Doors Ltd. Coaldale, AB	028822G	CC	DL	DM	HM	3	Y	GCIA
Bronco Industries, Inc. Delta, BC	020214G	MC-4	AA	MS	PIB+S2	2	Y	GCIA
Can-Am Glass Products Ltd. Edmonton, AB	019216	MC-4	AA	MS	PIB+RHM	2	Y	AIR

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Can-Am Glass Products Ltd. Edmonton, AB	021420G	LC	FSM	DM	RHM	3	Y	GCIA
Caron et Guay Inc Beaupre, QC	011216G	LC	FSM	DM	RHM	3	Y	GCIA
Centennial Windows London, ON	010602G	LC	FSM	DM	HM	3	Y	GCIA
Central Glass (Duncan) Ltd. Duncan, BC	029533G	LC	FSM	DM	HM	2	Y	GCIA
Central Valley Glass Kelowna, BC	010820G	LC	FSM	DM	PUR	2	Y	GCIA
Central Valley Glass Kelowna, BC	020003G	MC-4	AA	MS	PIB+PUR	2	Y	GCIA
Century Glass (85) Ltd. Kamloops, BC	010714G	LC	FSM	DM	HM	2	N	GCIA

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Clearview Industries Ltd. Toronto, ON	011211G	MC-4	TBC	MS	PIB+PS	2	Y	GCIA
Clearview Industries Ltd. Toronto, ON	011214G	MC-4	SS	MS	PIB+PS	2	Y	GCIA
Clera Windows & Doors Concord, ON	011212G	LC	FSM	DM	HM	2	Y	GCIA
Dalumex Products St-Isadore, ON	011312G	LC	FSM	DM	HM	2	Y	GCIA
Double Seal Insulating Glass Ltd. Toronto, ON	010608G	MC-4	AM	MS	PIB+S2	2	Y	GCIA
Double Seal Insulating Glass Ltd. Toronto, ON	011804G	MC-4	AM	MS	PIB+PS	2	Y	GCIA
Double Seal Insulating Glass Ltd. Toronto, ON	011903G	MC-4	TBC	MS	PIB+PUR	3	Y	GCIA

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Double Seal Insulating Glass Ltd. Toronto, ON	021324G	LC	FSM	DM	PUR	3	Y	GCIA
Double Seal Insulating Glass Ltd. Toronto, ON	021325G	MC-4	TBC	MS	PIB+PS	3	Y	GCIA
Double Seal Insulating Glass Ltd. Toronto, ON	021714G	LC	FSM	DM	PS	2	Y	GCIA
Double Seal Insulating Glass Ltd. Toronto, ON	021803G	LC	FSM	DM	PUR	2	N	GCIA
Durabuilt Windows & Doors Inc. Edmonton, AB	021717G	LC	FSM	DM	HM	3	Y	GCIA
ECO Insulating Glass Inc. Mississauga, ON	010821G	MC-2	SO	MS	PIB+PUR	4	Y	GCIA
ECO Insulating Glass Inc. Mississauga, ON	021806G	LC	FSM	DM	PUR	2	N	GCIA

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Emirates Glass L.L.C. Dubai, United Arab Emirates, United Arab Emirates	011712G	LC	AM	MS	PIB+S2	2	N	GCIA
EnerStar Windows Ltd. Surrey, BC	021812G	LC	FSM	DM	HM	2	N	GCIA
Eurosell Windows Ltd. Surrey, BC	021716G	LC	FSM	DM	HM	2	N	GCIA
EW - Windows Industry Lda. / Cristalmax Prozelo, Amares, Portugal	011416G	LC	TBS	MS	PIB+PUR	2	N	GCIA
Extreme Window & Entrance Systems Moncton, NB	020835G	LC	FSM	DM	HM	2	Y	GCIA
Fenêtres Lajeunesse Inc. Lanoraie, QC	011402G	LC	FSM	DM	HM	3	Y	GCIA
Fibertec Window & Door Technologies Concord, ON	011304G	LC	FSM	DM	RHM	3	Y	GCIA

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Fusion Glass Works Toronto, ON	011504	MC-4	AA	MS	PS+PIB	2	Y	AIR
Garibaldi Glass Ind. Inc. Burnaby, BC	011412G	MC-4	AM/AO	MS	PIB+S2	3	N	GCIA
Garibaldi Glass Ind. Inc. Burnaby, BC	011415G	MC-4	PHSS	MS	PIB+S2	3	N	GCIA
Global Windows & Doors Richibucto, NB	021141G	LC	FSM	DM	HM	3	Y	GCIA
Golden Windows Ltd Kitchner, ON	011704G	LC	FSM	DM	HM	3	Y	GCIA
Golden Windows Ltd Kitchner, ON	021036G	MC-1	INT	DM	RHM	2	Y	GCIA
Gulf Glass Industries, LLC Sharjah, United Arab Emirates, United Arab Emirates	011801G	MC-1	AM	MS	PIB+S2	2	N	GCIA

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Hartung Glass Canada Ltd. Burnaby, BC	010911G	MC-4	TBS	MS	PIB+S2	2	Y	GCIA
Hartung Glass Canada Ltd. Burnaby, BC	019317G	LC	AA/AM	MS	PIB+S2	2	Y	GCIA
Hartung Glass Canada Ltd. Burnaby, BC	021220G	LC	AM	MS	PIB+RHM	2	Y	AIR
High Performance Glazing Inc. Concord, ON	011403G	MC-1	TBS	MS	PIB+PS	2	N	GCIA
High Performance Glazing Inc. Concord, ON	020617	MC-4/MC-1	AM	MS	PIB+S2	2	N	AIR
High Performance Glazing Inc. Concord, ON	020710G	MC-1	AM	MS	PIB+PS	2	N	GCIA
Huron Window Corporation Morden, MB	020007G	LC	FSM	DM	HM	3	Y	GCIA

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Insul-lite Manufacturing (2008) Ltd. Calgary, AB	011506G	MC-1	AA	MS	PIB+HM	3	Y	GCIA
Insul-lite Manufacturing (2008) Ltd. Calgary, AB	011507G	LC	FSM	DM	HM	3	Y	GCIA
Integral Seal Mfg. Inc. Concord, ON Canada	010206G	MC-1	AA	MS	PIB+PS	2	Y	GCIA
Integral Seal Mfg. Inc. Concord, ON Canada	019611G	MC-1	TBS	MS	PIB+PS	2	Y	GCIA
International Glass Products Ville D'Anjou, QC	011513G	MC-1	INT	DM	RHM	2	Y	GCIA
International Glass Products Ville D'Anjou, QC	011514G	MC-1	INS	DM	RHM	2	Y	GCIA
JELD-WEN (United Window Division) Vaughan, ON	010001G	MC-1	INT	DM	RHM	3	Y	GCIA

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JELD-WEN (United Window Division) Vaughan, ON	021715G	LC	FSM	DM	RHM	3	Y	GCIA
JELD-WEN Windows and Doors (Willmar Window Division) Winnipeg, MB	020103G	LC	FSM	DM	RHM	3	Y	GCIA
Kento Windows & Doors St. John's, NL	011601G	CC	DL	DM	HM	2	Y	GCIA
Kohltech International Ltd. Debert, NS	011024G	MC-1	INS	DM	HM	2	Y	GCIA
Kohltech International Ltd. Debert, NS	019506G	LC	FSM	DM	HM	3	Y	GCIA
Kohltech International Ltd. Debert, NS	029918G	MC	INT	DM	RHM	2	Y	GCIA
Kohltech International Ltd. (AB) Edmonton, AB	011210G	LC	FSM	DM	HM	3	Y	GCIA

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KP Building Products Limited Alexandria, ON	011512	MC-1	INS	DM	RHM	3	N	AIR
KV Windows & Doors Vaughan, ON	011604G	LC	FSM	DM	HM	3	Y	GCIA
Laserseal Insulating Glass Ltd. Concord, ON	010812G	MC-4	TBS	MS	PIB+PS	2	Y	GCIA
Laserseal Insulating Glass Ltd. Concord, ON	021327G	MC-4	AM	MS	PIB+PS	2	Y	GCIA
Laserseal Insulating Glass Ltd. Concord, ON	021613	MC-4	SS	MS	PIB+PS	2	Y	AIR
Laserseal Insulating Glass Ltd. Concord, ON	021808G	LC	FSM	DM	HM	3	Y	GCIA
Lifestyle Sunrooms Inc. Peterborough, ON	010803G	LC	FSM	DM	HM	3	Y	GCIA

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Marlboro Windows & Doors Ottawa, ON	021148G	MC-1	TBS	MS	PIB+PS	2	Y	GCIA
Mason Windows Ltd. Pickering, ON	011503G	MC-1	TBS	MS	PIB+RHM	2	Y	GCIA
Meloche Windows Ltd. Windsor, ON	010102G	MC-1	INS	DM	RHM	2	Y	GCIA
Modern Aluminum & Vinyl Powell River, BC	010707G	LC	FSM	DM	HM	2	Y	GCIA
Multiver Ltée. Vanier, QC	010903G	MC	SS	MS	PIB+S1	2	Y	GCIA
Multiver Ltée. Vanier, QC	011703G	MC	TBS	MS	PIB+S2	3	Y	GCIA
Multiver Ltée. (Div. Isover) Québec, QC	010301G	MC	TBS	MS	PIB+RHM	3	Y	GCIA

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Multiver Ltée. (Div. Isover) Québec, QC	011001G	LC	FSM	DM	RHM	2	Y	GCIA
Multiver Ltée. (Div. Isover) Québec, QC	020507	MC	INS	DM	RHM	2	Y	AIR
Newmar Window Mfg. Inc. Mississauga, ON	011110G	LC	FSM	DM	HM	3	Y	GCIA
Nordik Windows Inc. Vars, ON	021140G	LC	FSM	DM	HM	2	Y	GCIA
North Star Manufacturing Ltd. St. Thomas, ON	010705G	LC	FSM	DM	HM	3	Y	GCIA
Northern Windows (RAB Energy Group Inc.) Whitehorse, YT	019901G	LC	FSM	DM	HM	4	Y	GCIA
Northern Window Mfg. Thunder Bay, ON	011026G	CC	DL	DM	HM+PS	3	Y	GCIA

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Novatech Glass Ste-Julie, QC	011025G	MC-1	INS	DM	RHM	2	Y	GCIA
Novatech Glass Ste-Julie, QC	020213G	MC-1	INT	DM	RHM	2	Y	GCIA
ODL, Changshu ZhongXin Building Materials Co., Ltd. Changshu, Jiangsu, China, China	011706G	MC-4	AA	MS	PIB+PS	2	Y	GCIA
ODL, Changshu ZhongXin Building Materials Co., Ltd. Changshu, Jiangsu, China, China	011707G	MC-4	DS	DM	DS	2	Y	GCIA
ODL, Inc. Zeeland, MI	011102	MC-1	INT	DM	RHM+HM	2	Y	AIR
ODL, Inc. - VDO H. Matamoros, Tamps, Mexico	011610	MC-1	INT	DM	RHM	3	Y	AIR
Optimedia Windows & Doors Inc. Oradea, Bihor, Romania	011121G	LC	AM	MS	PIB+PUR	2	N	GCIA

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Optimedia Windows & Doors Inc. Oradea, Bihor, Romania	011122G	LC	TBS	MS	PIB+PUR	2	N	GCIA
Polar Window of Canada Ltd. Winnipeg, MB	019227	LC	FSM	DM	HM	3	Y	AIR
Pollard Windows Ltd. Burlington, ON	011115G	LC	FSM	DM	RHM	2	Y	GCIA
Pollard Windows Ltd. Burlington, ON	020407G	MC-1	INT	DM	RHM	2	Y	GCIA
Pollard Windows Ltd. Burlington, ON	021221G	MC-1	INS	DM	RHM	2	Y	GCIA
Portes Decko Inc. Terrebonne, QC	011413G	LC	FSM	DM	HM	3	Y	GCIA
Retro Teck Window Burnaby, BC	021149G	LC	FSM	DM	HM	2	Y	GCIA

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Robover Inc. Quebec City, QC	021051G	LC	INS	DM	RHM	3	Y	GCIA
Robover Inc. Quebec City, QC	021326G	LC	PHSS	BL	PIB+RHM	3	Y	GCIA
Saand London Inc. London, ON	010212G	MC-1	AM	MS	PIB+PS	2	Y	GCIA
Saand London Inc. London, ON	011133G	MC-1	TBS	MS	PIB+PS	2	Y	GCIA
Saand London Inc. London, ON	021139G	MC-1	AM	MS	PIB+S2	2	Y	GCIA
Saand Ottawa Inc. Stittsville, ON	011705G	MC-1	TBS	MS	PIB+S2	3	Y	GCIA
Saand Ottawa Inc. Stittsville, ON	011708G	MC-1	TBS	MS	PIB+PS	3	Y	GCIA

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Saand Ottawa Inc. Stittsville, ON	019607G	MC-1	AM	MS	PIB+PS	3	Y	GCIA
Saand Ottawa Inc. Stittsville, ON	021142G	MC-4	TBS	MS	PIB+PS	3	Y	GCIA
San Zhong Window and Door Ltd. Burnaby, BC	021807	LC	FSM	DM	HM	2	N	AIR
Seaview Glass Nanaimo, BC	021614G	LC	FSM	DM	HM	2	Y	GCIA
Seymour Windows Ltd. North Bay, ON	020840G	LC	FSM	DM	HM	3	Y	GCIA
SGP (Security Glass Products) Winnipeg, MB	021222G	LC	FSS	DM	PIB+RHM	3	Y	GCIA
SGP (Security Glass Products) Winnipeg, MB	021224G	LC	FSS	DM	PIB+S2	3	N	GCIA

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Standard Doors Inc. Laval, QC	011205G	LC	FSM	DM	HM	2	Y	GCIA
Supreme Windows (Calgary) Inc. Calgary, AB	010905G	LC	FSM	DM	HM	3	Y	GCIA
Supreme Windows (Calgary) Inc. Calgary, AB	011515G	LC	FSM	DM	HM	3	Y	GCIA
T.C. Insulating Glass Inc. Woodbridge, ON	011003G	MC-4	AM	MS	PIB+PS	3	Y	GCIA
T.C. Insulating Glass Inc. Woodbridge, ON	019615G	MC-4	TBS	MS	PIB+PS	3	Y	GCIA
Thermafix A.J. Inc. St. Nazaire, QC	021431G	MC-4	PHSS	MS	PIB+RHM	3	Y	GCIA
Thermafix A.J. Inc. St. Nazaire, QC	021523G	MC-4	AM	MS	PIB+RHM	3	Y	GCIA

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Thermos Rive Nord Terrebonne, QC	011417G	MC-4	TBS	MS	PIB+RHM	3	Y	GCIA
ThermosTek Glass Ltee Shippagan, NB	011203G	LC	FSM	DM	RHM	3	Y	GCIA
Thermotech Mont-Laurier, QC	021711G	LC	FSM	DM	HM	3	Y	GCIA
Toronto Glass (Heat Seal) Ltd. Rexdale, ON	020313	MC-4	AA	MS	PIB+PS	2	Y	AIR
Toronto Glass (Heat Seal) Ltd. Rexdale, ON	021035G	MC-4	TBS	MS	PIB+PS	2	Y	GCIA
Tyee Windows and Doors Abbotsford, BC	021316G	LC	FSM	DM	HM	2	Y	GCIA
Verre Select Inc. Terrebonne, QC	011202G	MC-4	AA	MS	PIB+PUR	3	Y	GCIA

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Vitre-Art CAB (1988) Inc. Montreal Nord, QC	011015G	MC-1	AA	MS	PUR	3	N	GCIA
Vitro Flat Glass Canada Inc. Barrie, ON	021053G	LC	FSM	DM	HM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Barrie, ON	021054G	MC-1	INS	DM	RHM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Barrie, ON	021811G	LC	FSM	DM	HM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Bedford, NS	011017G	LC	FSM	DM	HM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Bedford, NS	020616G	MC-4	TBS	BL	PIB+S2	2	N	GCIA
Vitro Flat Glass Canada Inc. Bedford, NS	020705G	MC-4	AM	BL	PIB+HM	3	Y	GCIA

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Vitro Flat Glass Canada Inc. Bedford, NS	021047G	MC-1	INS	DM	RHM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Calgary, AB	011120G	LC	INS	DM	RHM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Calgary, AB	019039	MC-4	AM	MS	PIB+RHM	2	N	AIR
Vitro Flat Glass Canada Inc. Calgary, AB	029916G	LC	FSM	DM	RHM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Winnipeg, MB	010610G	MC-1	INS	DM	RHM	3	Y	GCIA
Vitro Flat Glass Canada Inc. Winnipeg, MB	029319G	LC	FSM	DM	HM	3	Y	GCIA
Vitrum Industries Ltd. Langley, BC	010902G	LC	AM	MS	PIB+PS	2	Y	GCIA

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Vitrum Industries Ltd. Langley, BC	020836G	LC	AM	MS	PIB+S2	2	N	GCIA
Vitrum Industries Ltd. Langley, BC	021322G	LC	TBS	MS	PIB+S2	2	Y	GCIA
Vitrum Industries Ltd. Langley, BC	021323G	LC	TBS	MS	PIB+PS	2	Y	GCIA
Vitrum Industries Ltd. Langley, BC	021427G	LC	TBS	MS	PIB+S2	3	Y	GCIA
West Seal Ltd.(AWG Northern Dist.) Prince George, BC	020009	MC-4	AA	MS	RHM	2	N	AIR
West Seal Ltd.(AWG Northern Dist.) Prince George, BC	020402G	LC	FSM	DM	RHM	2	Y	GCIA
White Aluminum Enterprises LLC Abu Dhabi, United Arab Emirates, United Arab Emirates	021719G	MC-4	SS	MS	PIB+S2	2	N	GCIA

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Window City Industries Vaughan, ON	011209G	LC	FSP	DM	HM	3	Y	GCIA
Window Seal Glass Woodbridge, ON	021428G	LC	FSP	DM	HM	2	Y	GCIA

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