

October 16, 2012

To: IGMAC Certification Program Participants and Suppliers
From: Margaret Webb, IGMA Executive Director

Reference: Changes to IGMAC Certification Program
1. Notification of Fee Changes
2. Changes to test protocol – internal components (IC)
3. Changes to component codes - sealants

Implementation: **Effective immediately**

1. Notification of Annual Invoice Changes

Effective immediately, all annual certification program fees will be invoiced in November of the preceding year. All annual certification fees are due in the office no later than December 31 of the preceding year in order for a program participant to remain in good standing in the IGMAC Certification Program. This year, invoices for the 2013 annual program participants fees will be invoiced in November 2012 and must be received at the IGMA offices no later than December 31, 2012 in order to remain in good standing and be included in the Certified Products Directory at December 31, 2012.

2. Canadian & US Energy Star® requirements for Insulating Glass Certification – Internal Components (IC)

Effective July 1 and October 1, 2010 respectively, The US and Canadian Energy Star® programs required that qualified fenestration products use certified insulating glass units. The IGMAC Certification Program is one of the listed programs.

In order to maintain the IGMAC Certification Program as a listed program for both NFRC and the Energy Star programs, a new testing protocol has been added to the program. Effective January 1, 2013, all new prototype products, and products requiring retesting due to either failure or recertification must provide 4 samples fabricated with internal components for the volatile fog test procedure. These units will not be required to undergo high humidity or weather cycling testing.

Internal components may include but are not limited to blinds, films, decorative glass inserts, grills and muntins. When testing muntins or grills, test samples shall be fabricated dividing the sample into nine equal areas (3 by 3).

It is recognized that a given company may utilize numerous Internal Components (IC) in production units and it is not practical to regularly test all IC variations. The following shall serve as a guide the manufacturer and auditor in selection of the IC to be tested:

1. Favor shall be given to testing worst case IC
2. Favor shall be given to testing highest volume production IC
3. Consideration shall be given to testing IC on a rotational basis

The following direction is also provided:

Muntins or Grills - When testing muntins or grills, test samples shall include all components of the muntin or grill system (i.e. holes, clips, brackets) and shall be fabricated dividing the sample into nine equal areas (3 by 3). Muntins or grills need only be included in one air space of a multiple air space unit.

3. Changes to Component Changes – Sealants

Based on comments received on the 2010 Bulletin on Equivalencies and Waivers, IGMA formed component task groups to review the comments, policies and procedures of the IGMAC Certification Program. The IGMA Sealant Task Group met online during the 2010 and 2011 fiscal to review the current sealant component codes, qualification and equivalency procedures and how to simplify the program, reporting at the IGMA semi-annual membership meetings. Reports were also provided in the IGMA electronic newsletter and materials were posted to the IGMA website.

When a new sealant is introduced to the market or a new supplier wants to have their product considered for equivalency, the following procedures apply:

1. The supplier submits a letter to the IGMAC Certification Program requesting inclusion in the appropriate sealant category.
2. Accompanying this letter, the supplier will submit the Material Data Property Sheet(s) (MDPS) for the product.
3. Sealant manufacturer submit MVTR tests to IGMA TB-2701-95, tolerance to be established at a future date. Does not apply to Silicone.
4. SI sealant manufacturer to submit structural strength tests to ASTM C1184, C1369 – Silicone Structural Testing, tensile adhesion joints, strength at various temperatures.
5. In order for a sealant to qualify for equivalency, at least one IGMAC certified product must have been tested with this sealant and successfully met all the IGMAC Certification Program requirements.

Revised Section G.0, Component Codes, IGMAC Certification Program Manual:

G.0 COMPONENT CODES

- G.1 IGMA will maintain a Certified Products Directory which will include the name and location of each participating Manufacturer and a generic description of the product as certified. [IGMA will maintain a list of component equivalencies \(Appendix A\) grouped by generic component types. Components listed within a generic category are considered equivalent for the IGMAC certification purposes.](#)
- G.2 The Certified Products Directory will be made available through the IGMA website (www.igmaonline.org) to public and private sector architects, specifiers, building code authorities, and other interested parties.
- G.3 Listed [Insulating Glass](#) Manufacturers may state for advertising purposes that their product meets the requirements of the IGMAC Certification Program. Manufacturers are to adhere to the IGMA guidelines for approved use of the IGMAC trademark. Copies of the IGMA guidelines may be obtained by contacting the IGMA office.
- G.4 IGMA does not certify or approve components used in the manufacture of insulating glass units.
- G.5 The codes for generic component types as tested and as used on the listing are detailed in Appendix H.
- G.6 A change of unit design, which would change any of the components listed on the "Application for Participation in the Certification Program" will be considered new generic type and will be subject to retesting unless a "Request for Waiver of Retest" is approved. [Changes from one listed generic component to another listed generic component in the same category will require notification through a "Request for Waiver of Retest" but will not require a retest.](#) Refer to Appendix A, Desiccant, ~~and~~ Sealant, ~~and~~ Spacer Chart for equivalencies.
- G.7 [IGMA will use the following criteria for listing a specific component in Appendix A on its list of generic component types.](#)

(a) Sealants

1. [The sealant manufacturer will state which sealant category is appropriate for the specific sealant and shall submit a Material Safety Data Sheet \(MSDS\) and a Technical Data Sheet \(TDS\) to the IGMA Technical Policy Committee for confirmation.](#)
2. [The sealant manufacturer shall submit a CGSB 12.8 test report from one of the approved testing facilities on units manufactured with the sealant to the IGMA Certification and Education Committee. The units shall conform to all CGSB 0112.8 requirements. Every component used in the manufacture of](#)

the units (other than the sealant) shall be from materials on the generic components list. No muntins or grills are necessary, no gas filling is required, and clear glass may be used.

3. In addition, if the sealant is to be used in single seal units, the manufacturer shall submit either ASTM F1249 or ASTM E96 (desiccant method) test data conducted under the conditions outlined in IGMA TB-2701-95 to the IGMA Administrator for review. The test data shall be considered confidential by the IGMA Administrator and may not be released without the consent of the sealant manufacturer.

(b) Desiccants...

G.68 As a general guide, any of the following may be changed without requiring a retest or a waiver approval:

- (a) **Glass** - thickness, size, tint, coating, type, shape or supplier, double glazed units if triple glazed units are Certified; (**Note:** It is recommended that glass supplier's recommendations be followed when insulating glass units utilize coated glass products);
- (b) **Spacer** - width, height, wall thickness or supplier, the addition of an air space muntin frame;
- (c) **Desiccant** - bead size, blend ratio, supplier, addition or deletion of a breather tube (intended to be sealed prior to installation);
- (d) **Sealant** - colour, increased MVT path, supplier;
- (e) **Connector** - changes of components within generic Connector.
- (f) **Low E** - Non-edge deleted sputtered (soft coat) coating qualifies edge deleted sputtered coatings, pyrolitic (hard coat) coatings and clear glass. Edge deleted sputtered coatings qualifies pyrolitic coatings and clear glass. Pyrolitic coating qualifies clear glass.

G.79 As a general guide, the Administrator should be notified by means of a "Request for Waiver of Retest" for interim approval by the IGMA Certification & Education Committee for items not covered in G.68. Final approval shall be granted by the IGMA Certification & Education Committee at its next scheduled meeting.

G.810 As a general guide, none of the following may be changed without a retest:

- (a) **Glass** - construction of triple glazed units if tested for double glazed;
- (b) **Spacer** - material or finish (i.e. anodized/galvanized/painted), Generic Type;
- (c) **Desiccant** - Generic Type;
- (d) **Sealant** - decreased MVT path, change from a single sealant system to a dual sealant system or vice versa, Generic Type;
- (e) **Connector** - Generic Type.

- (f) **Low E** – Edge deleted sputtered coating to non-edge deleted sputtered coating and / or pyrolitic coating to sputter coating (both edge and non-edge deleted).

H.0 DOCUMENTATION & FORMS

H.1 The following described Documents and Forms will be used in the administration of the IGMAC Certification Program:

- (a) Application for Participation in the IGMAC Certification Program;
- (b) Audit Form and Test Report;
- (c) License Agreement;
- (d) Request for Waiver of Retest;
- (e) Certified Products List

IGMAC IG SEALANT TYPES (as of 04/28/2008)

This list is intended to be a guide to assist determining generic categories of sealants and is not any indication of approval or acceptance.

Company	Hot Melt Butyl "HM"	Polyisobutylene "PB"	Poly-sulfide "PS"	Polyurethane Two component "UR"	Silicone One component "SI"	Reactive Hot Melt Butyl "UT"	Reactive Hot Melt Polymer "HTP"	Silicone Two component "SL"
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IGMAC IG SEALANTS (as of 06/06/2012)

Company	One- Component Silicone SI	Two- Component Silicone SL	Polyisobutylene PIB	Two-Component Polyurethane PUR	Two- Component Polysulfide PS	Hot Melt HM	Reactive Hot Melt RHM
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CODE SEALANT

- ~~—PB— Polyisobutylene~~
- ~~—PS— Two Component Polysulfide~~
- ~~—SI— One Component Silicone~~
- ~~—SL— Two Component Silicone~~
- ~~—HM— Hot Melt Butyl Thermoplastic~~
- ~~—HTP— Hot Melt Butyl Thermoset Polymer~~
- ~~—HT— Hot Melt Butyl Thermoset~~
- ~~—UR— Two Component Polyurethane~~
- ~~—UT— One Component Polyurethane Thermoset~~
- ~~—OT— Other (Specify composition & Supplier)~~
- ~~—PEB— Pre extruded butyl~~
- ~~—TS— Swiggle Seal (Aluminum or Stainless Steel) Truseal~~

- SI One Component Silicone
- SL Two Component Silicone
- PIB Polyisobutylene
- PUR Two Component Polyurethane
- PS Two Component Polysulfide
- HM Hot Melt
- RHM Reactive Hot Melt

Certificates will be re-issued with the new sealant codes as products are re-certified.
New products will be identified with the new codes.

If you require further information or clarification on any aspect of the IGMAC Certification Program, please do not hesitate to contact the office either by telephone (613-233-1510) or by email to mwebb@igmaonline.org.