



Glazing Guidelines for Standard Alpenglass™ IG Units:

Important Note:

These glazing guidelines apply to Standard Alpenglass Units for Installation in 4-Sided Capture Systems only. Alpenglass for Structural Silicone Installations is available, however, special warranty and installation guidelines apply; contact Alpenglass Commercial Sales Representative for more information.

Alpenglass units must be handled, stored and installed in strict accordance with approved insulating glass procedures as detailed in the GANA Glazing Manual.

Design and verification that system performances meet design load and building code requirements are the responsibility of the customer.

1. Breather Tube Instructions:

Some Alpenglass units are equipped with pressure equalizing breather tubes. **DO NOT twist or pull this tube out of the unit.** The breather tube must be completely closed upon arrival after allowing one hour per square foot to enable pressure equalization by crimping twice with pliers within 1" of the outer end of the tube. (follow crimping instruction label on the glass). Units should be installed with the breather tube in an upper corner position, pointing downward and tucked behind the glazing stop.

2. Dual-Seal Technology:

Standard Alpenglass units are dual-sealed with ADCO PIB and **PRC 4429 Polyurethane**. Edge sealants must not be exposed to sunlight even during storage. The glass unit edge, spacers and sealant must be completely covered by the framing system.

3. Glazing Materials:

All glazing materials must be compatible with PRC 4429 Polyurethane sealant. Dow 795 silicone is approved. It is the glazer/customer's responsibility to verify framing system design compliance and glazing material compatibility prior to installation.

4. Exterior Glazing:

The exterior side of each Alpenglass unit is clearly marked, and must be glazed accordingly to maintain warranty coverage.

5. Storage Requirements:

Alpenglass insulating glass units should be installed promptly. If required, storage facilities must be at moderate temperature, dry, and covered. Breather tubes must be closed upon arrival after allowing one hour per square foot to enable pressure equalization. Units must be covered or shielded from sunlight exposure.

The contents of this document are subject to change based on industry best practices and materials used in manufacturing processes; please check www.AlpenHPP.com or contact a sales representative to verify document accuracy.

General Glazing Guidelines:

1. Glazing Materials:

Neoprene gaskets or non-hardening, non-corrosive glazing tapes or sealants must be applied in such manner as to effect and maintain a water tight, weatherproof seal for a period of time equal to Alpen HPP, LLC. Alpenglass warranty term. All glazing materials must be compatible with polyurethane.

2. Setting Blocks:

Neoprene or silicone setting blocks must be placed at unit "quarter points" and equally support insulating glass unit inner and outer lites. Setting blocks should be smooth/flat, 4" to 6" long as indicated in the GANA Glazing Manual, and 1/8" wider than the overall glass unit dimension to insure proper support of the IG unit. Insure there is nothing to crown or cup or distort the setting block.

3. Edge Clearance:

Unit must be centered in the opening so that minimum spacing (1/4") exists between edge of glass and frame (1/8" on small units). No wood or metal shall contact the glass at any point in the frame. Face and edge clearances shall comply with GANA Glazing Manual.

4. Weep (Condensate) System:

Insulating glass units must not be exposed to moisture accumulation or high humidity dew points. The glazing system design and installation must provide a positive weather seal and unobstructed weep and drainage.

5. Sightline Coverage (Bite): Frame and gasket materials must provide at least 9/16" sightline coverage (bite). Insulating glass sealants and spacers must be completely covered by the framing system.

6. Framing: Openings must be square, in plane, and free of obstructions. Sash and frames must be structurally adequate to support weight of unit and prevent twisting stresses. Frame deflection must not exceed L/175 or less, depending upon size (AAMA).

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Typical Glazing Detail

Setting Block & Weep Hole Locations

