



INSULVUE® INSULATING GLASS UNIT TECHNICAL

SPACERS - Standard spacer is aluminum clear anodized with bent corners, available in 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16".

Bronze spacers available in 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4". Hand Bendable Spacer in mill finish, with shinier appearance available in 1/4", 5/16", 1/2" for Tight Radius Curved Shapes, Aluminum Color Only. Warm Edge Spacer Available Aluminum or Bronze Color, 1/2" Thickness only. No Warranty on 3/16" Spacers.

No warranty on units with spray painted spacers.

ARGON GAS - One Hole with Pop Rivet may be Visible in Complex Shape Units. Minimum Spacer for these Shaped Units is 5/16" thick.

MUNTINS - 5/8" x 3/16" Stocked in White, Bronze, Hartford Green, Tan, Aluminum Colors. White Contoured Muntins Available up to Three Verticals by Three Horizontals.

SEALANT - Polysulfide Standard. Silicone will be Used If Requested. Structural Silicone Glazing and Offsets Require Selection of Silicone Seal. Two Sided or Four-Sided Structural Applications Must be Identified at time of Quotation and Order, to determine Seal Depth

DIMENSIONAL TOLERANCE		
SIZE	RECTANGLES	SHAPES
Up to 30"	+1/8"/-1/16"	+3/16"/-1/8"
30" – 60"	+5/32"/-1/16"	+3/16"/-1/8"
60" – 84"	+3/16"/-1/16"	+1/4"/-1/8"
Over 84"	+1/4"/-1/16"	+3/8"/-1/8"

SITELINE TOLERANCE - 7/16" +/- 1/8" Excluded Shapes that can't be Produced Using our Spacer Bender, Typically Shapes with Tight Radius Curved Sides.

THICKNESS TOLERANCE		
NOMINAL THICKNESS	MINIMUM	MAXIMUM
1/2"	.475"	.550"
5/8"	.600"	.700"
3/4"	.700"	.810"
1"	.938"	1.062"

For Thicknesses Not listed use +/- 1/16". Order units 1/16" Under if Thickness Tolerance is a Concern.

STANDARD GLASS COMPONENTS – Unless otherwise specified.	
UNIT THICKNESS	GLASS
3/8" – 7/16"	3/32"
1/2" - 9/16"	1/8"
5/8" - 15/16"	3/16"
1"	1/4"

WEIGHT LIMIT – 500 lbs.

SIZE LIMITS – Automated Equipment Minimum 7"x14"-98"x137" Maximum



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VERTICAL GLAZING SF MAXIMUMS				
GLASS / SPACER	1/2"-3/4"	3/8"-7/16"	3/16"-5/16"	
3/32"	10	10	10	3/16" Spacer No Warranty
1/8"	18	18	15	
3/16"	38	30	18	
1/4"	70*	35	18	*Over 50 SF Must be Temp or HS

SLOPED GLAZING SF MAXIMUMS			
INBOARD LITE MAXIMUMS			
Ann. Lami.	1/4" 030 – 12 SF	3/8" 030 – 18 SF	1/2" 030 – 25 SF
HS or Temp. Lami.	1/4" 030 - 25 SF	3/8" 060 – 40 SF	1/2" 060 – 40 SF

These size limits do not consider project specific design loads that may require thicker glass or smaller sizes.

ANNEALED LAMINATED INSULATING GLASS – Size maximum 48" x 96".

HS OR TEMPERED LAMINATED INSULATING GLASS –

- Minimum Interlayer .060.
- Maximum size with 1/8" HS or Temp Glass Plys 40" x 80".
- HS or Temp Lami lites limited to Clear Glass only. No Low E or Reflective Coatings.

OFFSET UNITS – Specify Silicone Seal and Outboard Lite Heat Strengthened or Tempered.

THERMAL STRESS ANALYSIS – Complete Thermal Stress Analysis Before Ordering Annealed Glass. Tinted Glass, Low E Coatings, Severe Job Conditions, such as Exterior Shading, Deep Mullions, Adjacent Reflective Surfaces, Blinds or Drapes, HVAC Registers Blowing on Glass may Cause Breakage in Annealed Glass.

Avoid Glazing Annealed Insulating Glass in Freezing Temperatures in Unheated Buildings.

INSULATING GLASS GLAZING PROCEDURES – Insulating Glass Seal Longevity is Affected by Glazing Practices, particularly that Materials are Compatible, Framing is Weeped, and that Proper Setting Blocks in Sufficient Quantity are Used. See IGMA North American Glazing Guidelines for Sealed Insulating Glass Units, GANA Glazing Manual or Pilkington General Glazing Guidelines on our Website for specifics.

INSPECTION – see ASTM C1036 and ASTM C1048

LABELING – All IG products labeled with 4" x 4" white removable label with customer name, order number, glass make up. Tempered or HS Glass has a permanent etched label unless ordered "NO LOGO". Except for Clear/Clear IG, units will have a "Glaze This Side In" removable sticker on the Glass Surface intended for the Interior.