

THE INTELLIGENT WINDOW® TOOL BOX

INTERCEPT® USING SUNGATE® 100

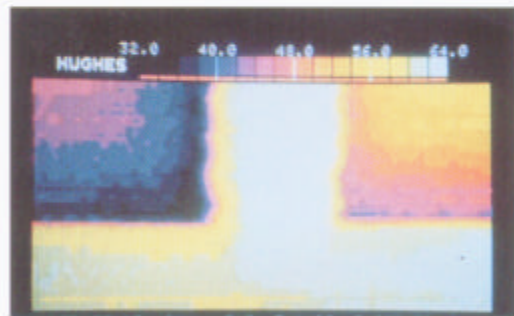
Not all insulating glass units are created equal. Just compare a conventional insulating unit with an Intercept insulating unit that uses Sungate® 100 Glass and argon gas fill during standard nighttime conditions. You'll both see and feel the difference. (Conditions: Cold side temperature = 0°F. Room side temperature = 72°F. Room side relative humidity = 25%.)

The left photo below compares room side condensation. The advantage of the Intercept/Sungate 100 glass/argon unit is obvious.

The right photo below is a thermograph or "heat picture" which compares room side glass temperatures for the respective units. Yellow indicates warmer, blue indicates colder. The significantly higher glass temperature of the right side unit means less drafts and higher comfort levels.



Left: Conventional IG; aluminum spacer; 2 lights of 3mm clear glass; 0.5" air space.
Right: Improved IG; Intercept insulating glass spacer; Sungate 100 coated glass; argon gas fill.



Left: Thermograph, conventional IG; aluminum spacer; 2 lights of 3 mm clear glass; 0.5" air space.
Right: Thermograph, improved IG; Intercept insulating glass spacer; Sungate 100 coated glass; argon gas fill.

BENEFITS/ADVANTAGES OF INTERCEPT/SUNGATE 100 GLASS/ARGON

- Warmer glass temperature means:
 - better insulating value (89% higher R-value)
 - lower energy bills
 - less drafts/improved comfort
- Less condensation means:
 - less stains or damage to windows or walls
 - higher allowable relative humidity indoors/less annoying static electricity
 - better clarity of view
- 37% less UV energy transmittance reduces fading of drapes, carpets, furniture