

INSULATED GLASS UNIT



Technical Specifications

- Thermal Insulation (U-Value), 0.20 - 0.50 W/m²K
- Sound Insulation (STC Rating), 30-45 dB
- Light Transmission, 60-90% (depending on glass type and coatings)
- Solar Heat Gain Coefficient (SHGC), 0.25 - 0.65
- Air Tightness, <0.3 m³/h.m² at 50 Pa
- Durability, Tested to withstand extreme weather conditions and temperature fluctuations
- Spacer Material, Aluminum, stainless steel, or thermally optimized spacers
- Gas Fill, Argon, or air
- Sealant, Primary and secondary sealants for edge sealing
- Desiccant, Moisture-absorbing desiccant within the spacer

Applications

- Exterior windows and doors
- Curtain walls
- Skylights
- Facades
- Roof glazing
- Storefronts
- Partition walls

Materials and Finishes

- Low-e, frit, and specialty glass options available
- Finish, clear, low-iron, tinted, or decorative glass options available to meet design and performance requirements.
- Custom Finishes, Options for coatings or laminates to enhance thermal performance, privacy, or UV protection as needed

Additional Features

- Type I, Dual-pane insulated glass unit
- Type II, Triple-pane insulated glass unit with enhanced thermal performance
- Type III, Quad-pane insulated glass unit for maximum insulation
- Spacer Options, Thermoplastic warm edge spacer in various colors
- Sealant Types, Silicone, polysulfide, or polyurethane

Warranty

- Limited Warranty, Hals International offers a warranty on systems and materials.