

VACUUM INSULATED GLASS (VIG)



Technical Specifications

- Thermal Insulation (U-Value), 0.10 - 0.40 W/m²K
- Sound Insulation (STC Rating), 35-45 dB
- Light Transmission, 60-90% (depending on glass type and coatings)
- Solar Heat Gain Coefficient (SHGC), 0.25 - 0.65
- Durability, Resistant to weathering and temperature fluctuations
- UV Blocking, Up to 99%

Applications

- Exterior windows and doors
- Curtain walls
- Skylights
- Facades
- Roof glazing
- Storefronts
- Interior partitions with external exposure

Materials and Finishes

- Glass type, Clear, low-E, tinted, reflective, or custom colors
- Spacer Material, Stainless steel or other high-strength materials
- Vacuum Layer, Thin vacuum space between the glass panes
- Sealant, High-performance edge seal to maintain the vacuum

Additional Features

- Type I, Single-pane VIG with basic thermal performance
- Type II, Enhanced VIG with low-E coatings for improved energy efficiency
- Type III, Specialty VIG with custom coatings and advanced thermal performance

Warranty

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