

Vacuum Insulated Glass

Vacuum insulated glass offers superior thermal insulation compared to traditional double or triple pane windows. It also provides excellent sound insulation and can be customized with various coatings and glass types to meet specific performance requirements.



Product Overview

High-Performance Vacuum Insulated Glass

This advanced glass solution features two glass panes separated by a vacuum gap, permanently sealed for superior thermal and acoustic insulation. By utilizing a high-vacuum environment and integrated Low-E coating, it effectively minimizes heat transfer through conduction and convection. An alloy getter is implanted within the vacuum chamber to maintain vacuum integrity, ensuring a long and reliable service life for demanding commercial applications.

Technical Construction

Construction Details

- Dual-pane parallel configuration
- High-vacuum sealed environment
- No air extraction port design
- Alloy getter for vacuum longevity
- Low-E emissivity coating for thermal performance

Sealing Composition

Core Welding Material, Polymer Structural Sealant

Performance Features

Key Performance Areas

Thermal Insulation • Sound Insulation • Lighting Performance Adjustment • Energy Efficiency