

Superior Performance Euro Grey Reflective 6+12A+6 Low-E Insulated Glass Supplier



What is Euro Grey Reflective 6mm+12A+6mm Low-E Insulated Glass?

Euro grey reflective 6mm+12A+6mm low e [insulated glass](#), also named IGU or DVH, is a highly efficient insulated unit. Comprising 6mm euro grey [reflective glass](#) and 6mm low e glass separated by a 12A aluminum spacer, it is sealed at the edges to ensure exceptional safety and energy efficiency.

This advanced glass unit is engineered with precision to optimize energy performance. By incorporating reflective and low-emissivity coatings, it effectively reduces heat loss and enhances thermal insulation. As a result, it contributes significantly to minimizing energy consumption for climate control within structures, making it a sustainable choice for modern architectural designs.



Sample Photos

How to produce Euro Grey Reflective 6mm+12A+6mm Low-E Insulated Glass?



Cutting: Using high performance 6mm euro grey reflective glass and 6mm low-e glass, cutting to ultimate size according to drawings.

Edge Grinding and Washing: After grinding the edges with an edge grinder, washing the surface of the glass in a washing machine. Edge grinding reduces the damage caused by sharp glass edges and makes the glass safer to use.

Tempered Handling: Transfer the 6mm euro grey reflective glass and 6mm low-e glass into the tempering furnace, with heat to around 700-degree temperature, and keep for due time. Using the strong wind jet to cool the glass rapidly. Thus causing the glass surface to compress, whereas the interior side is still in tension. This thermal treatment will increase the glass strength to above 95 Mpa.

Insulated Handling: 6mm euro grey reflective tempered glass and 6mm low e glass are separated by one 12A aluminum spacer and sealed together at the edge. The insulating airspace is filled with dry air to slow the heat exchange and reduce noise levels. The aluminum spacer is filled with silica desiccant pellets to ensure the removal of any moisture in the airspace.

The Details of thickness and edge



Normal Low-E Insulated Glass vs Euro Grey Reflective Low-E Insulated Glass

Low-E Insulated Glass

Energy Efficiency: Features a low-emissivity (Low-E) coating that reflects infrared light, keeping heat inside during winter and outside during summer. This reduces the need for heating and cooling, leading to significant energy savings.

UV Protection: Blocks a high percentage of harmful UV rays, protecting interior furnishings from fading.

Thermal Insulation: Enhances the insulation of your building, maintaining a comfortable indoor temperature year-round.

Clear Appearance: Maintains a natural, clear view without significant tinting, suitable for applications where true color representation is important.

Versatility: Ideal for a wide range of applications, including residential windows, commercial buildings, and more.

Euro Grey Reflective Low-E Insulated Glass

Energy Efficiency: Combines the benefits of Low-E coating with a reflective Euro Grey tint for enhanced energy efficiency, reflecting both infrared light and a portion of visible light, further reducing the need for heating and cooling.

Aesthetic Appeal: Features a distinctive grey tint that adds a modern and sophisticated look to buildings, enhancing architectural design.

Glare Reduction: The reflective grey coating significantly reduces glare from sunlight, improving indoor visual comfort.

Solar Control: Effectively reflects solar heat, keeping interiors cooler in hot weather and reducing the load on air conditioning systems.

Privacy: Offers enhanced privacy by limiting visibility from the outside while still providing clear views from the inside.

UV Protection: Protects against harmful UV rays, preserving the quality of interior decor.

Enhanced Security: The reflective layer adds an extra element of security, as it makes it more difficult to see inside from the outside.

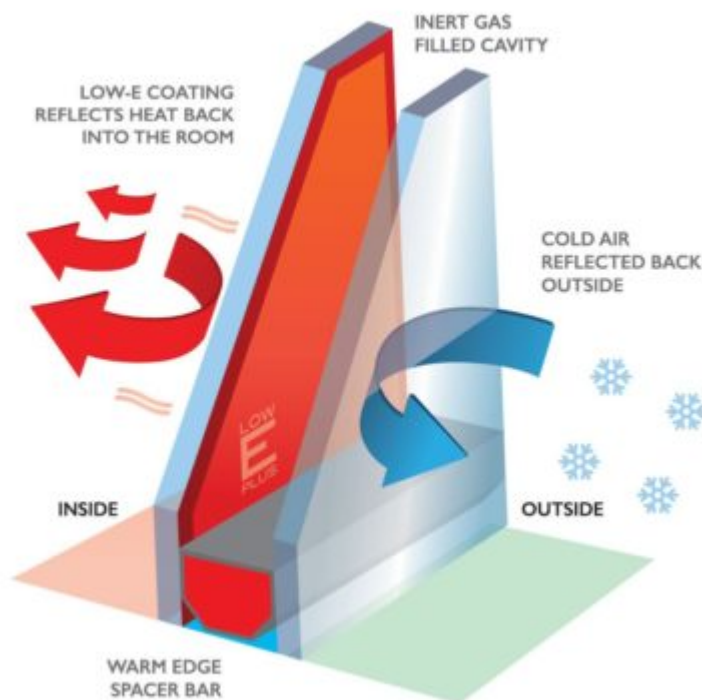
How to choose the Right Glass ?

For Clear Views and High Energy Efficiency: Low-E Insulated Glass is ideal for those who prioritize energy savings and maintaining clear, unobstructed views.

For Modern Aesthetics, Enhanced Solar Control, and Privacy: Euro Grey Reflective + Low-E Insulated Glass is perfect for those looking to add a contemporary look to their building while controlling solar heat gain, reducing glare, enhancing privacy, and adding a layer of security.

In conclusion, both types of glass offer unique benefits tailored to different needs. Consider your specific requirements in terms of energy efficiency, aesthetics, solar control, privacy, and security when making your selection.

Why use Euro Grey Reflective 6mm+12A+6mm low e Insulated Glass for curtain wall systems?



Euro grey reflective 6mm+12A+6mm [low e insulated glass](#) stands out among its counterparts due to its exceptional light-reflecting properties.

Unlike conventional glass types, it possesses the ability to

reflect a higher percentage of light, resulting in brighter and sharper reflected images. Moreover, this glass variant boasts superior optical clarity and resolution, ensuring a pristine viewing experience.

Furthermore, this specialized glass goes beyond aesthetics. By minimizing heat transfer and providing thermal insulation, it enhances both comfort and energy efficiency. This dual functionality underscores its commitment to sustainability, making it a preferred choice for contemporary architectural designs.

What are the Specifications of Euro Grey Reflective 6mm+12A+6mm Low-E Insulated Glass?

Product Name: Euro Grey Reflective 6mm+12A+6mm low e Insulated Glass/IGU/ DVH

Thickness: 6+6mm, other thicknesses are also available, and all can be customized

Spacer: 12A=1/2

Spacer Color: Black; Silver and Grey are also available.

Combination: 6+12A+6mm=24~25mm

Performance: Energy Efficiency, Optimal Light Transmission, Noise Reduction, and so on.

Delivery Time: Normally 15 days, but can be extended depending on project requirements.

By opting for our European gray coated 6mm+12A+6mm Low-E glass, you're not just selecting a product; you're making a statement about quality, aesthetics, and energy efficiency. Our glass is meticulously crafted to provide superior performance in terms of thermal insulation, UV protection, and sound reduction, making it the ideal choice for modern buildings, curtain walls, doors, and windows.

SDG also offers other insulated glass combinations that can be customized to meet your requirements.

[Excellent Decorative 6+16A+13.52mm 28mm Ceramic Frit Double Glazing Units for Facade](#)

[6mm+1.52PVB+6mm+12A+6mm Safety Laminated Insulated Glass](#)

What are the benefits of Euro Grey Reflective 6mm+12A+6mm Low-E Insulated Glass?

Energy Efficiency

Superior Thermal Insulation: The combination of a 6mm Low-E glass layer with a 12mm air gap significantly reduces heat transfer, maintaining comfortable indoor temperatures year-

round.

Lower Energy Bills: Improved insulation leads to decreased reliance on heating and cooling systems, resulting in substantial energy savings.

Optimal Light Transmission

Balanced Light: While the Euro Grey tint moderates the amount of visible light entering the space, the combination with Low-E glass ensures sufficient natural light while reducing excessive brightness.

UV Protection: The glass blocks a significant amount of harmful UV rays, protecting interior furnishings from fading and prolonging their lifespan

Aesthetic and Privacy

Modern Look: The Euro Grey tint, combined with the reflective surface, provides a sleek, contemporary appearance that enhances the visual appeal of any building.

Increased Privacy: The reflective coating offers daytime privacy by making it difficult for outsiders to see inside, while still allowing occupants to enjoy the outside view.

Superior Solar Control

Heat Reduction: The Euro Grey reflective coating reflects a substantial portion of solar radiation, minimizing heat gain and maintaining comfortable indoor temperatures.

Glare Reduction: The reflective surface helps reduce glare from direct sunlight, enhancing visual comfort.

Durability and Security

Robust Construction: The combination of two 6mm glass panes offers greater resistance to impacts, making the glass more durable and secure against breakage.

Security: Increased thickness and double glazing enhance protection against breaking and vandalism.

Noise Reduction

Insulated Glass Unit (IGU): The air gap and double glazing provide effective sound insulation, reducing outside noise for a quieter indoor environment.

What are the Applications of Euro Grey Reflective 6mm+12A+6mm Low-E Insulated Glass?

- Doors and Windows
- Facades / Curtain Wall
- Partitions
- Skylight
- Roof



Packing and Delivery:

[Shenzhen Dragon Glass](#) ensures that our products are securely packed and delivered safely. We use high-quality packing materials and methods to protect each piece of glass from damage during transit. Our careful packing process is designed to meet the specific requirements of insulating glass, providing maximum protection.



Don't compromise on quality or style. Choose Euro Grey Reflective 6mm+12A+6mm Low-E Insulated Glass for superior performance and unmatched elegance. Upgrade your space today!

Take action now and [contact us](#) to unlock more information!