

# 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.

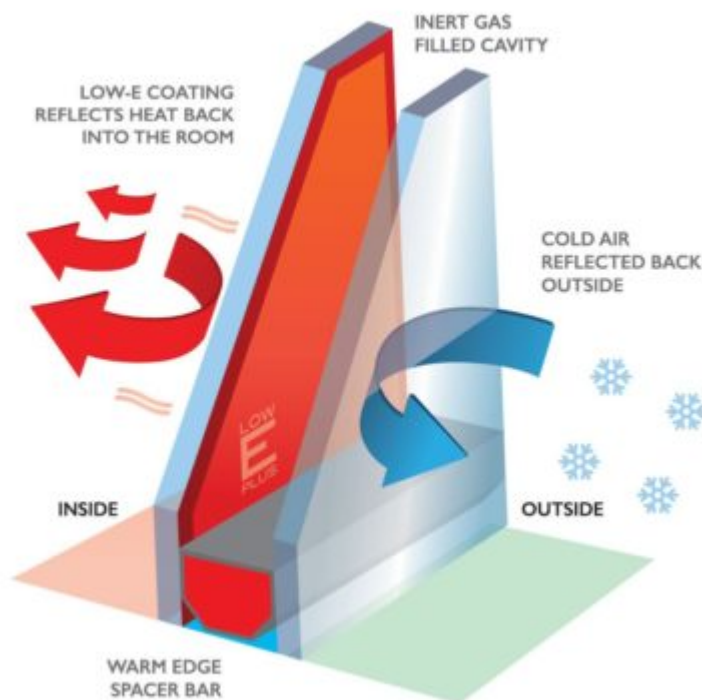
## **How to choose the Right Glass ?**

**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

# Quality Guarantee:

- Subject to CE;
- Subject to BS;
- Subject to IGCC;
- Subject to AS, etc.

**DECLARATION OF CONFORMITY**

Latteck Laboratory  
Certificate NO.: LBTR131122CE

**EC Declaration of CPD Conformity**

The following product has been tested by Latteck Technology Laboratory Ltd. with the testing standards and found in conformity with the EC Council Directive of 89/106/EEC. It is possible to use CE marking to demonstrate the conformity with the CPD Directive.

Report No.: LBTR131122CE  
 Applicant: SHENZHEN DRAGON GLASS CO., LTD  
 Address: Yunhai enterprise headquarters base, Longcheng street, Longgang, Shenzhen, China  
 Manufacturer: SHENZHEN DRAGON GLASS CO., LTD  
 Address: Yunhai enterprise headquarters base, Longcheng street, Longgang, Shenzhen, China  
 Product: Laminated Safety Glass  
 Size: 5mm+1.52+5mm, 5mm+1.52+6mm, 8mm+1.52+8mm, 10mm+1.52+10mm, 12mm+1.52+12mm  
 Trade Mark: N/A  
 Test Standards: EN ISO 12843-3:2011, EN ISO 12843-3:2011

The referred test report(s) show that the product complies with the essential requirements of the above listed standards. The applicant is authorized to use this certificate in connection with the EC declaration of CPD conformity according to the Directive.

**CE**

Latteck Laboratory  
Date of Issue: 16/02/2019

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above-mentioned product. It does not imply an assessment of the whole production and other relevant Directives have to be observed.

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**Report R19H01-1A**  
 on  
**Calibration of Oven No. 3**  
 for  
**Heat Soak Process for Tempered Glass to BS EN 14179-1: 2016**  
 and  
 fulfilling the requirements of  
 Sections 8.1 & 9.3 of Code of Practice for  
**Structural Use of Glass 2018 of Buildings Department of Hong Kong**

Prepared for:  
 Glass Supplier & Glass Fabricator:  
**SHENZHEN DRAGON GLASS CO., LTD**  
 Yunhai enterprise headquarters base, Longcheng, Longgang District, Shenzhen, China.

Research Engineering Development Facade Consultants Limited  
 Valid Period: From 2 August 2019 to 1 August 2024  
 Issue Date: 2 August 2019

**QUALITY MANAGEMENT SYSTEM CERTIFICATE**

Certificate No.: 18716Q110200805

We hereby certify that  
**Shenzen Dragon Glass Co., Ltd**  
 Unified social credit code/Organization code:91440300027133010Q  
 Address: Yunhai enterprise headquarters base, Longcheng, Longgang District, Shenzhen, China  
 by means of its  
**Quality Management System**  
 has been awarded this certificate for compliance with the standard  
**ISO 9001:2015**

The Quality Management System Applies in the following area  
**Sales of Building Glass (Float Glass, Tempered Glass, Laminated Glass, Insulated Glass, Mirror Glass and Other Glass)**  
**Inapplicable Clause:**

Date of Issue: Nov.09, 2016 Date of Renewal: 09/11/2019  
 Surveillance Audit (The first time) Surveillance Audit (The second time) Surveillance Audit (The third time)

(The quality management system is subject to yearly surveillance audit within the period of validity the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by SSGC.)

Issued by **尹雪晨**

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cca.gov.cn)

SHENZHEN SHENGA INTERNATIONAL CERTIFICATION CO.,LTD  
 Address: 301, Building, Chuanxin Road, 1, Qianhai Shekou-Hongkong Cooperation Zone, Shenzhen

**IGCC** Administrative Management Systems, Inc.  
 205 West Main Street, PO Box 730  
 Sparks Harbor, NY 13855  
 Phone: (315) 848-2234 Fax: (315) 848-2287  
 E-mail: staff@amsmart.com

**IGMA**

**ACKNOWLEDGEMENT OF CERTIFICATION**  
 THIS IS TO ACKNOWLEDGE THAT AS OF THIS DATE  
**Shenzen Dragon Glass Co., Ltd**  
 Shenzhen, Guangdong

IS A CURRENT LICENSEE AND HAS MET ALL GUIDELINES AND REQUIREMENTS FOR THE IGCC/IGMA CERTIFICATION PROGRAM AND AS SUCH IS ELIGIBLE TO LABEL THE BELOW INDICATED PRODUCT(S) AS IGCC/IGMA CERTIFIED. THE FOLLOWING ARE IN COMPLIANCE WITH ASTM C110 FOR SEAL DURABILITY OF INSULATING GLASS UNITS AND PASSING GAS CONTENT INITIAL AND AFTER WEATHERING (IGCA) CERTIFICATION REQUIREMENTS AS INDICATED.

CERT #	GLASS	SPACER	FRAME CONST.	DESICCANT	SEALANT	IGCA
4333	UV2	MA	BCAGSLC	LF	PIBS2	No

THIS IGCC/IGMA PROGRAM CERTIFICATION IS CURRENT AND IN FULL EFFECT AS OF THIS ISSUE DATE. CERTIFICATION IN THE IGCC/IGMA PROGRAM IS SUBJECT TO SEM-ANNUAL RENEWAL. PLEASE CHECK THE CURRENT CERTIFIED PRODUCTS DIRECTORY OR THIS OFFICE FOR MOST CURRENT INFORMATION.

Issue: February 15, 2019  
 DATE OF ISSUE  
 February 1, 2019 - January 31, 2020  
 CERTIFICATION PERIOD

Administrative Manager

IGCC/IGMA Standard No. 12843.10, Last Approved By: 03/03/13  
 03/03/13-03/03/13

**SGCC** safety glazing certification council  
 Administrative Office, AMS, Inc.  
 205 West Main Street, PO Box 730  
 Sparks Harbor, NY 13855  
 Phone: (315) 848-2234  
 E-mail: staff@amsmart.com

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SGCC/IN	MM	Attributes	INT	Typic.Code	Max.Size	ANSI Class	Test Std	ANSI Z97.1
4303	5/32	A		TFG	LF	A	COMP/CAN	2006
4304	3/16	B		TFG	LF	A	COMP/CAN	2006
4305	1/4	B		TFG	LF	A	COMP/CAN	2006
4306	5/16	B		TFG	LF	A	COMP/CAN	2006
4307	3/8	10		TFG	LF	A	COMP/CAN	2006
4308	1/2	12		TFG	LF	A	COMP/CAN	2006
4309	3/4	15	(3)	TFG	LF	A	COMP/CAN	2006
4310	15	15		TFG	LF	A	COMP/CAN	2006
4312	00	8-18+ (SUSA)	(0.999)	LFG	LF	A	COMP/CAN	2006
4378	00	10-18+ (SUSA)	(0.999)	LFG	LF	A	COMP/CAN	2006
5052	1/4	B		TBG	LF	A	COMP/CAN	2006
5053	5/16	B		TBG	LF	A	COMP/CAN	2006
5054	3/8	10		TBG	LF	A	COMP/CAN	2006
5055	1/2	12		TBG	LF	A	COMP/CAN	2006

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## 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!