

28mm Low-E coated Dgu laminated glass reliable supplier China



What is DGU laminated glass?

Dgu laminated glass is a dgu unit with a laminated outboard. This configuration can be used in applications where the exterior is overhead glazing or in specific hurricane zones where safety glazing is required for the exterior. Combines two or more glass panes that are spaced apart and sealed with a sealant to appear as a single unit.

Nowadays, dgu laminated glass is widely used in commercial and residential building projects. Traditional uses may include laminated glass in overhead glazing, sound damping, and

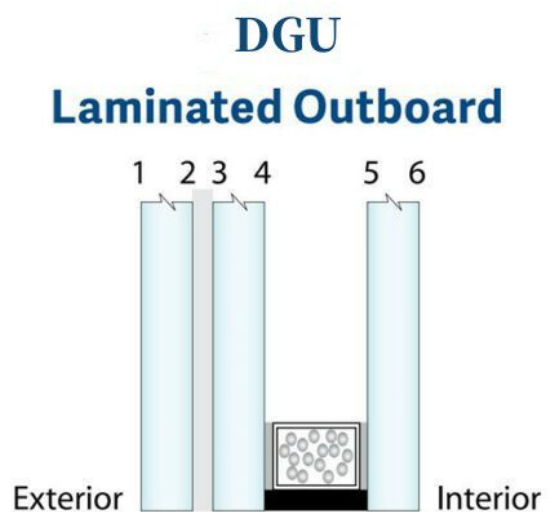
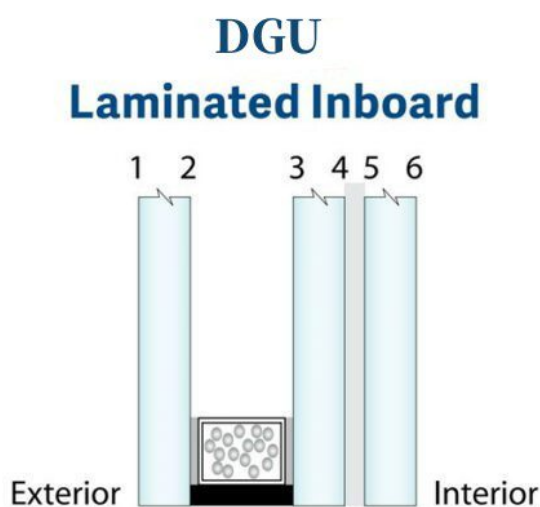
acoustically dgu laminated privacy glass. Increasingly, laminated dgu glass is required in hurricane, impact, and blast resistance applications by many specifications and building codes.

How to produce 28mm Low-E coated Dgu laminated glass□

For higher performance, sometimes we will embed the Low-E coating next to the interlayer, which has the potential to enhance acoustical performance and ultraviolet light protection. The laminated component is designed to remain integral in the opening should glass damage occur.

Dgu laminated glass units are made up of multiple pieces of glass. Each piece of glass consists of two surfaces. Each of these surfaces is numbered starting with the outside glass □#1 surface□ and finishing with the inside glass surface.

From the picture, we can clearly see that low-E coating is incorporated in laminate insulation and its position, depending on the needs of the customer, Low-E coatings can be embedded or exposed in a glass laminate.



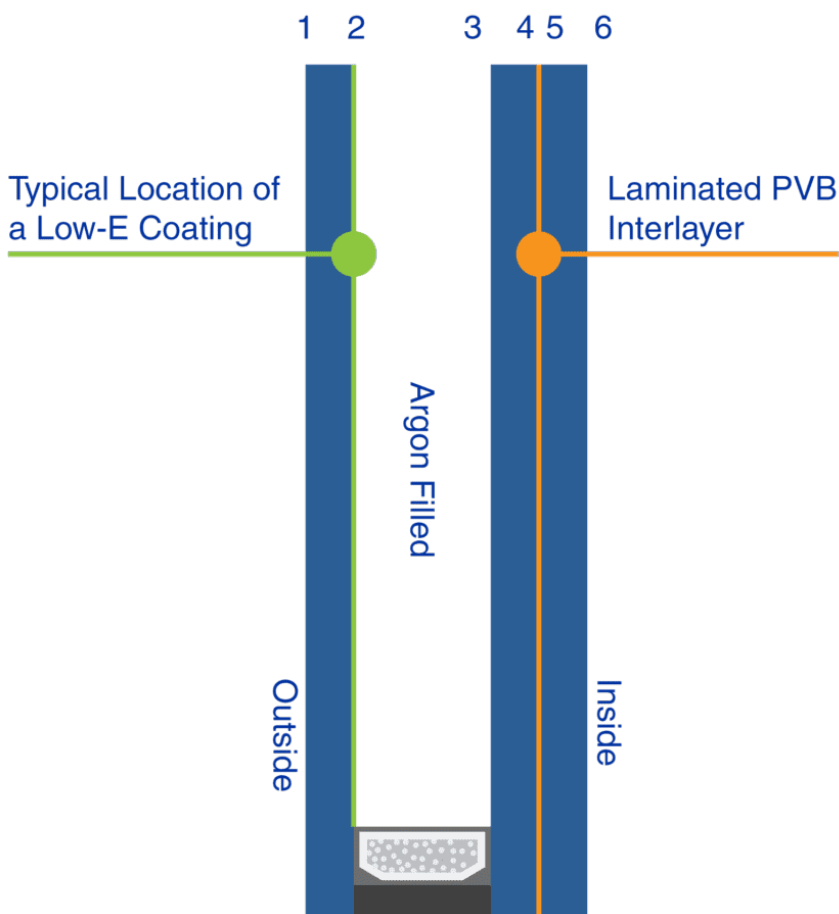
numbers showing the glass surfaces counting from exterior to

interior

With dgu laminated glass, there are two primary options for Low-E coating placement within the unit. Coatings can be placed on the (#4 surface), however superior solar performance can be achieved by placing the coating on the (#2 surface), touching the air space.

When used in a dgu unit, when adjacent to a dry, desiccated, hermetically sealed, airspace will increase the SHGC and interior surface temperature of the laminate by reflecting the sun's energy back into the interlayer, and superior solar performance can be achieved.

Insulated Unit with
Laminated Inboard



After selecting the coated surface and performing the laminated treatment, a 12A hollow aluminum spacer bar is bent into the desired shape. 5+5mm Laminated unit and another 6mm glass panel are separated with a 12A spacer. Primary sealant is applied to the sides of the spacer bar and pressed with an automatic presser. The Dgu unit is ready.

Dgu glass vs laminated glass, what are the benefits of dgu unit?



coated Dgu laminated glass



coated Dgu laminated glass

1, Energy Conservation: Dgu unit contains hermetically sealed dry air space between the sheets of glass, preventing direct contact with sunlight. With the use of air-conditioners, the temperature difference between the inside and outside of the building is very less. Due to convection, air circulates inside and acts as a barrier, preventing outside heat from coming inside and the cool air inside from escaping.

2, Transparency: Dgu unit help in reducing the incidence of condensation on the warm air side and bring about transparency. They can be used in larger glazed areas without

increasing energy consumption while ensuring transparency.

3, Acoustic Insulation: The monolithic glass resonates when high-frequency sound comes in because it cannot withstand the high frequency. Dgu unit is highly effective in reducing sound transmission. The air inside the Dgu unit will prevent the resonance from passing through.

4, Reduced Infiltration: In cold climates, the aim is to reduce infiltration of the cold, maintain internal heated temperatures, and reduce the cost of heating. Dgu unit help in achieving these objectives.

5, Reduced Condensation: Water from condensation and the resultant water run-off can damage window sills and frames, and seep into walls and adjoining areas. Window surfaces being colder than other surfaces in the building are more prone to condensation buildup. A Dgu unit reduces the likelihood of condensation by providing a thermal barrier between the inside and the outside.

Shenzhen Dragon Glass dgu laminated glass for sale:

- **Glass panel options:** clear glass, tinted glass, Low-E coatings, reflective coatings, silk-screened patterns, etc.
- **Spacer thickness:** 6A, 9A, 12A, 14A, 15A, 16A, 18A, etc
- **Spacer colors:** silver, grey, black, etc.
- **Max size:** 3300*13000mm.
- **Color:** clear, ultra clear, grey, bronze, blue, green, etc.
- **Coating glass like Low-E coating is optional.**

- **U value:** <1.8 W/m²K.
- **Transmittance:** 8~85%.
- **Shape:** flat or curved.
- **Capacity:** 2000 SQM/DAY.
- **Certification:** CE, BS, AS, IGCC & ISO 9001



laminated dgu glass



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How to buy dgu laminated glass?

It is important to consider all the requirements, such as the total weight of the final, glazing construction, thermal stress, wind/snow loading, and safety before making the final glass. Please kindly let us know when ordering or specifying a dgu unit, states the following:

When ordering or specifying an edge unit, state the following:

- Outer glass thickness and type
- Outer glass coating position (if applicable)

- Airspace (spacer) width
- Spacer type and color (mill finish aluminum is standard)
- Argon Gas if required
- Inner glass thickness and type.
- Inner glass coating position.

For the specific production process, you can [click here](#) for your reference.

Application:

- Sloped/Overhead Glazing
- Curtain Walls
- Storefronts
- Non-vision (Spandrel) Locations
- Commercial/Residential Fixed and Operable windows



dgu laminated project



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Packing and delivery:



sturdy plywood crates to ensure safety during long-distance transportation

We [Shenzhen Dragon Glass](#) are 1st tier manufacturer in city infrastructure construction and supply high-quality construction insulating laminated glass, for any additional information, including details, technical data, specifications, technical assistance, and samples, please contact us at any time.