

# Insulated glass



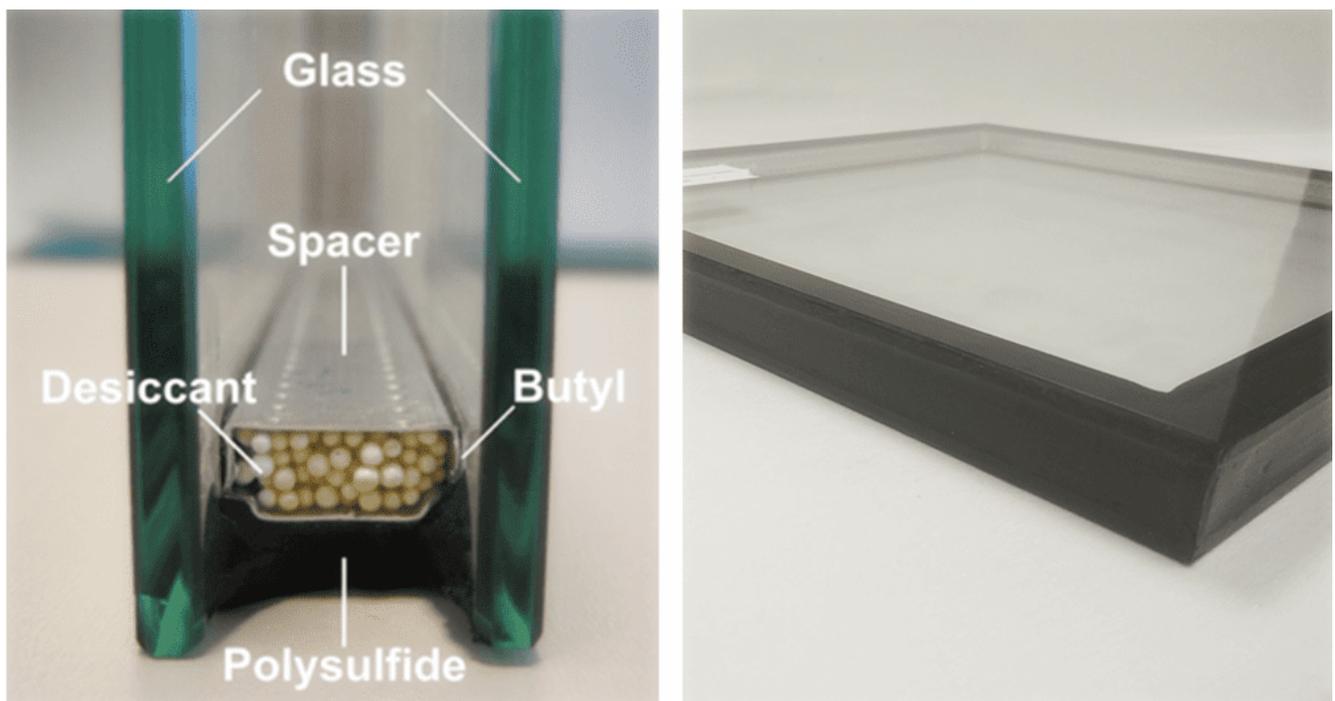
## Insulated Glass

**Shenzhen Dragon Glass –  
Professional Insulated Glass**

# Manufacturer

## What is insulated glass□

An insulated glass unit commonly consists of two (sometimes more) panes of glass separated by an aluminum spacer and sealed together at the edge. The insulating airspace is filled with dry air or a noble gas, such as argon or krypton inside to slow the heat exchange and reduce noise levels. The aluminum spacer is filled with silica desiccant pellets to ensure removal of any moisture in the airspace. The IGU is designed to keep homes warmer in the winter and cooler in the summer.



## Insulated Glass Advantages

### Good Optical Properties

The visible light transmittance of insulated glass systems is normally in the range of 3-80% and the visible light reflectance is in the range of 10-50%;

## Excellent Thermal Properties

The U-value is effectively lowered by double glazing units and can be further reduced by filling of inert gases like argon gas; Other SHGC or Transmittance factors are also able to adjusted according to designs.

## Superb Acoustical Insulation

Insulated glass has a good soundproof function, can reduce noise by more than 35 dB+;

## Condensation

The dew point of [Shenzhen Dragon Glass](#) insulating glass is below -65 °C which guarantees no condensation formation under normal applications;

## Long Lifespan

The aluminum spacer is automatically curved and formed with the fewest joints and dual seals are applied, which ensures excellent sealing characteristics and a long application lifetime.

# Insulated Glass Applications

Insulated glass is perfect for applications such as:

1. Doors;
2. Windows;
3. Facade or Curtainwall;
4. Greenhouse;
5. Office Partitions;
6. Roof;
7. Skylight;

[insulated glass for doors](#)

[insulated glass for facade](#)

[insulated glass for greenhouse](#)

[insulated glass for partition](#)

[insulated glass for roof](#)

[insulated glass for windows](#)

## **Shenzhen Dragon Glass insulated glass properties**

- Glass thickness: 4mm~19mm.
- 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/m<sup>2</sup>K.
- Transmittance: 8~85%.
- Shape: flat / curved.
- Capacity: 2000SQM/DAY.
- Certification: CE & IGCC.

## **Insulated glass products list**

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