

# **Creative 1' Low E Coated Insulated Glazing with Dots Pattern Ceramic Fritted for Skylights and Curtain walls**



**1- What is 1' Low E coated insulated glazing with dots pattern ceramic fritted?**

1' Low E-coated means that the glass panel is coated with a low-emissivity (Low E) coating. Low E coatings are designed to reduce heat transfer through the glass, helping to keep interiors warm in winter and cool in summer.

[Low E Coated Insulated glazing](#) means that two 6mm glass panels are composed of multiple layers of glass and separated by 12-millimeter spacers to create a thermal insulation airspace between them. This design helps improve energy efficiency by reducing heat transfer.

[Ceramic fritting](#) involves applying ceramic paint to the [IGU panel glass](#) surface and then baking it. This process can create various patterns or designs on the glass. The “dots pattern” indicates that ceramic fritting has been applied in a dotted pattern on the glass surface.

Overall, this type of glass panel is designed to provide thermal insulation and natural light transmission, while also potentially offering aesthetic appeal through its ceramic fritting pattern.

## 2. Feature

### Energy Efficiency

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- The Low E coating reduces heat transfer through the glass, improving energy efficiency by helping to keep interiors warmer in winter and cooler in summer.



### Thermal Insulation

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- The Low E coated insulated glazing design, with multiple layers of glass separated by spacers, creates a thermal insulation airspace between the glass panels, further enhancing energy efficiency by reducing heat transfer.

## Natural Transmission

## Light

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- Despite its insulation properties, the glass allows natural light to pass through, helping to brighten interiors and reduce reliance on artificial lighting during the day.

# Decorative Element

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- The ceramic fritted dots pattern adds a decorative touch to the glass, enhancing its aesthetic appeal and potentially offering privacy or light diffusion benefits depending on the specific design.

# UV Protection

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- Some Low E coatings also provide UV protection, helping to reduce fading of interior furnishings and protecting occupants from harmful UV radiation.

# Versatility

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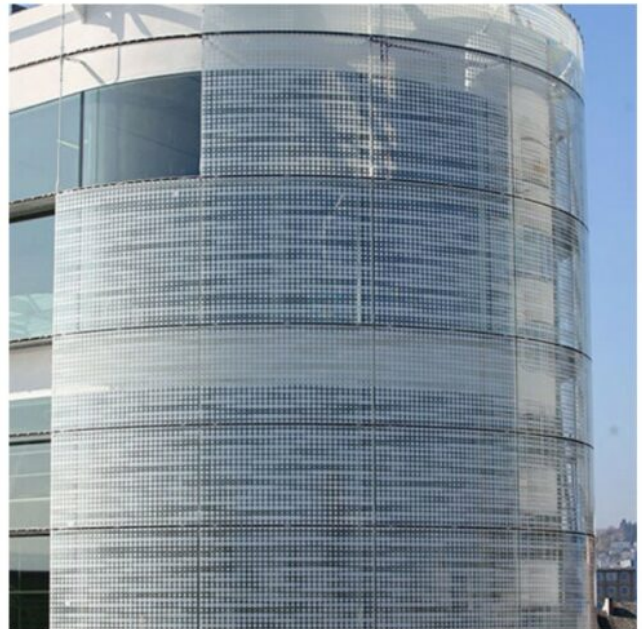
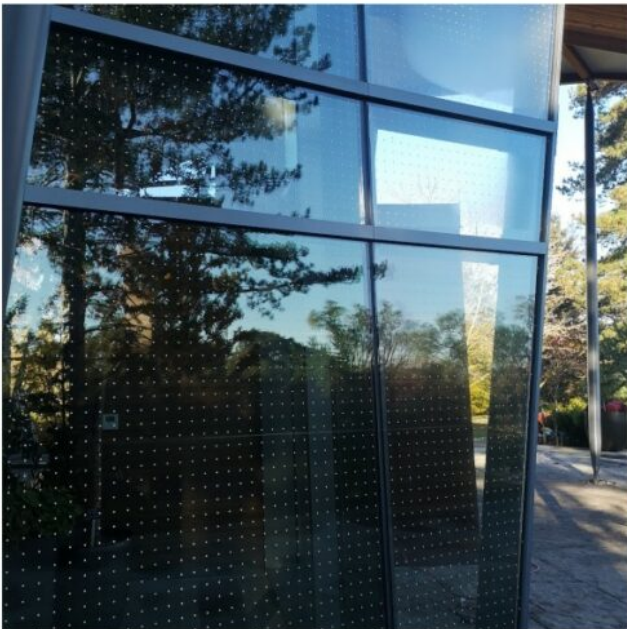
- Suitable for various applications such as [skylights](#), windows, and [facades](#), offering flexibility in design and functionality for architectural projects.

## 3. Quality Standard

[Dragon Glass](#) have being awarded so many certificates for ceramic frit insulating glass, see below:

- Subject to **BS standard**
- Subject to **IGCC standard**
- Subject to **ASTM E2190 standard**
- Subject to the **ISO 9001 standard**
- Subject to the **AS 4666:2012 standard**

## 4. Applications



Many dots ceramic frit projects fo curtain walls

## 5. Specifications

<b>Item name:</b> Low E Coated Insulated Glazing, Low E double glazing units
<b>Glass color:</b> Clear, Low E, white dots
<b>Glass shape:</b> flat/curved;
<b>Glass size:</b> Stock size, customized size, max: 2440mm * 4000mm;
<b>Quality:</b> IGCC/ASTM/CCC/ISO9001, etc;
<b>Production time:</b> 20-25 days, if have holes or cutouts will reach 15-20 days
<b>Packing:</b> Export level strong plywood crates;
<b>Payment term:</b> Negotiate

## 6. Production Details

### Cutting line

[Dragon Glass group](#) have several cutting line, including Bottero, Lisec auto cutting line, CNC cutting line, and so on, according to the client's drawing, our team will try our best to help you with your glass.





## Edging line

We support over 12 types of edge polishing, so if you have other glass requirements, kindly [contact our team](#).



Shenzhen Dragon Glass

## Ceramic fritting

Our professional ceramic fritting line for dots pattern processing, except this, we also support to customized what the pattern, and color you require.



## Tempering line

Our facilities of tempered glass which come from Land Glass & North Glass or International brands will let all glass be tempered in very good condition, The standard for us is a self-explosion rate of less than 0.3%, super flatness, and no defects.



## Sealing for IGU unit

Professional team for IGU panel sealing jobs, ensure very good noise control, insulation, UV block, and good warranty.



## 7. Packing and Delivery

### Package Information

- We use plywood crates only Because which made by compressing and bonding processed wood, and can be exported without any complex procedures, making it very convenient.
- The size of the Low E coated insulated glazing panel is often not uniform. For safety transportation, the interior of the plywood box is filled with pads and blocks to provide corks between the insulated glass panel. Then, it is

wrapped with plywood strips because the more exposed it is, the safer it is. Diagonal bracing of the plywood strips is essential to enhance the strength of the box.

- Many clients ask why we don't use fully sealed packaging. That's due to the more exposed it is, the safer it is. During transportation by forklift or crane, it is immediately clear that there is fragile ceramic frit insulating glass inside, prompting extra attention to safety.



## Packaging and delivery for ceramic frit insulating glass

*If you have further questions or inquiry on Low E coated insulated glazing with ceramic frit, please let us know anytime, Dragon Glass always provide high quality IGU glass materials for your any projects at local, and also we not only provide DGU/igu glass, but also other different glass types, [contact us right now](#), we believe you can get very good benefit and purchase experience.*