

DIAMANT™

Extra clear transparency





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DIAMANT™ is an extra clear float glass: a very low iron oxide content causes the highest light transmission and the lowest colouring. The extremely neutral colour of its cut edge distinguishes it from normal float glass and makes an effective choice for a range of applications.

Benefits

- **Aesthetic**
- **Optimum transparency**
- **Unfiltered natural light**
- **Fast energy transmission**

Applications

For all residential or commercial applications that require high transparency, simple aesthetics and optical brilliance, DIAMANT™ is suitable for :

- Façades
- Windows, bay windows
- Interior design or decorating
- Furniture
- Shop windows and display cabinets

1 Aesthetics

Because of its perfect neutrality DIAMANT™ - especially for large and multi-layer glass structures - allows the best possible transparency. Daylight enters the room almost unfiltered, which guarantees optimum natural illumination in insulating glass, but also when painted or enamelled.

2 Visual comfort

The extra clear float glass DIAMANT™ provides more daylight, maximum colour neutrality and reduced absorption.

3 Combinations

DIAMANT™ can be processed into toughened safety glass, or laminated glass for safety, sound insulation, injury and/or burglary protection.

4 Thermal insulation/Solar protection

DIAMANT™ can be used insulated, with Saint-Gobain thermal protection coatings from the PLANITHERM® family or the Saint-Gobain solar control coatings COOL-LITE® ST, K, SKN and XTREME families.

Performance

STANDARD VALUES

| GLASS | Light transmission LT % | Reflection outside LRe % | Reflection inside LRI % | Solar factor g-value | Shading coefficient SC | Ug-value W/m ² K |
|--|----------------------------|-----------------------------|----------------------------|----------------------|------------------------|--------------------------------|
| According to the standards EN 410 and EN 673 | | | | | | |
| DIAMANT™ 4 mm | 91% | 8% | 8% | 0.90 | 1.04 | 5.8 |
| DIAMANT™ 5 mm | 91% | 8% | 8% | 0.90 | 1.03 | 5.7 |
| DIAMANT™ 6 mm | 91% | 8% | 8% | 0.90 | 1.03 | 5.7 |
| DIAMANT™ 8 mm | 91% | 8% | 8% | 0.89 | 1.02 | 5.6 |
| DIAMANT™ 10 mm | 90% | 8% | 8% | 0.88 | 1.02 | 5.6 |

Availability

STANDARD THICKNESSES AND DIMENSIONS

Thicknesses: 4 mm, 5 mm, 6 mm, 8 mm and 10 mm.

Dimensions: 3210 mm x 2250 mm

Other thicknesses and dimensions: Please contact the specification team

Processing

With DIAMANT™ the design options and instructions are the same as PLANILUX® clear float glass.

- Tempered
- Laminated
- Curved
- Enameled and screen printed
- Used in double glazing



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