# Scheuten solar control and heat reflective insulating glass

## ISOLIDE® BRILLIANT

| Product name<br>Type<br>Glass composition (# = position of coating)<br>Colour impression<br>Remarks | | Isolide® Brilliant<br>71/39<br>6# - [cavity] - 4<br>Neutral | Isolide® Brilliant<br>CN 60<br>6# - [cavity] - 4<br>Neutral | Isolide® Brilliant<br>60/27<br>6# - [cavity] - 4<br>Neutral Blue | Isolide® Brilliant<br>CN 50<br>6# - [cavity] - 4<br>Neutral | |
|---|---|---|---|---|---|---|
| **Day light** | | | | | | |
| Light transmission ($\tau_v$) | (%) | 71 | 60 | 60 | 51 | |
| Exterior light reflection ($\rho_{v;ext}$) | (%) | 12 | 13 | 14 | 13 | |
| Interior light reflection ($\rho_{v;int}$) | (%) | 13 | 12 | 13 | 14 | |
| | | | | | | |
| **Colour rendering index ($R_a$)** | | | | | | |
| Translucency | (%) | 95 | 92 | 95 | 92 | |
| | | | | | | |
| **Solar light and energy** | | | | | | |
| Direct energy transmission ($\tau_e$) | (%) | 37 | 30 | 26 | 24 | |
| Direct energy reflection ($\rho_{e;ext}$) | (%) | 32 | 34 | 38 | 33 | |
| Energy absorption outer pane ($\alpha_e$) | (%) | 30 | 35 | 36 | 42 | |
| Energy absorption inner pane ($\alpha_e$) | (%) | 1 | 1 | 1 | 1 | |
| Total energy transmission (g) | (%) | 39 | 32 | 28 | 27 | |
| | | | | | | |
| **Thermal insulatino, Ug-value** | | | | | | |
| Cavity 15 - 16 mm + Argon gas fill | (W/m²K) | 1,0 | 1,0 | 1,0 | 1,0 | |
| Cavity 9 - 12 mm + Krypton gas fill | (W/m²K) | 1,0 | 1,0 | 1,0 | 1,0 | |

*Optical and thermal properties are based on EN 1096, EN 410 and EN 673.*

*Tolerances on color according to GEPVP; tolerances on light-technical or energetic specifications +/- 3 points; tolerances on Ug-value +/- 0,1 W/m2K.*

*Standard available thicknesses Brilliant coatings: 6, 8, 4(2)4 and for the 71/39 also in 4 and 3(1)3. For other thicknesses, please contact our sales department.*

*If the absorption of the outer pane is more than 45%, an increased risk may occur on breakage due to thermal stress, dependent on orientation and application.*

*Its optimal insulation may cause the glazing to condensate on the outside.*

*A distorted reflected image may occur in insulating glass based on differences of pressure and temperature.*

*The above Brilliant coatings are standard products. Project based other coatings in various ranges are available.*

*Contact our sales department for further details.*

*For matching Colorsafe® enamelled panels or shadow boxes please contact our sales department.*

## Scheuten
### we know glass.

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