

Scheuten solar control and heat reflective insulating glass

TRISOLIDE® BRILLIANT

July 2024

Product name Type		Trisolide® Brilliant 71/39	Trisolide® Brilliant CN 60	Trisolide® Brilliant 60/27	Trisolide® Brilliant CN 50
Glass composition (# = position of coating)		6#-[cavity]-4-[cavity]-#4	6#-[cavity]-4-[cavity]-#4	6#-[cavity]-4-[cavity]-#4	6#-[cavity]-4-[cavity]-#4
Colour impression		Neutral	Neutral	Neutral Blue	Neutral
Remarks					
Daylight					
Light transmission (τ_v)	(%)	65	54	54	46
Exterior light reflection ($\rho_{v,ext}$)	(%)	14	14	15	14
Interior light reflection ($\rho_{v,int}$)	(%)	15	14	15	16
Colour rendering index (Ra)					
Translucency	(%)	94	91	94	91
Solar light and energy					
Direct energy transmission (τ_e)	(%)	32	26	23	21
Direct energy reflection ($\rho_{e,ext}$)	(%)	33	35	38	33
Energy absorption outer pane (α_e)	(%)	31	35	37	43
Energy absorption middle pane (α_m)	(%)	1	1	1	1
Energy absorption inner pane (α_i)	(%)	3	3	2	2
Total energy transmission (g)	(%)	36	30	26	24
Thermal insulation, Ug-value					
Cavity 10 mm + Argon gas fill (2x)	(W/m ² K)	0,8	0,8	0,8	0,8
Cavity 12 mm + Argon gas fill (2x)	(W/m ² K)	0,7	0,7	0,7	0,7
Cavity 14 mm + Argon gas fill (2x)	(W/m ² K)	0,6	0,6	0,6	0,6
Cavity 16 mm + Argon gas fill (2x)	(W/m ² K)	0,5	0,5	0,5	0,5
Cavity 8 mm + Krypton gas fill (2x)	(W/m ² K)	0,6	0,6	0,6	0,6
Cavity 10 mm + Krypton gas fill (2x)	(W/m ² K)	0,5	0,5	0,5	0,5

Optical and thermal properties are based on EN 1096, EN 410 and EN 673. Inner pane with a Scheuten Super Neutral 1.1 coating.

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 40%, 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.

Triple insulating glass may display a distorted reflection, based on variations in pressure or 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.



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