Scheuten solar control and heat reflective insulating glass

ISOLIDE® BRILLIANT

March 2024

Product name		**Isolide® Brilliant 71/39**	**Isolide® Brilliant CN 60**	**Isolide® Brilliant 60/27**	
Type		6# - [cavity] - 4	6# - [cavity] - 4	6# - [cavity] - 4	
Glass composition (# = position of coating)		Neutral	Neutral	Neutral Blue	
Colour impression					
Remarks					
Day light					
Light transmission (τ_v)	(%)	71	60	60	
Exterior light reflection ($\rho_{v;ext}$)	(%)	12	13	14	
Interior light reflection ($\rho_{v;int}$)	(%)	13	12	13	
Colour rendering index (R_a)					
Translucency	(%)	95	92	95	
Solar light and energy					
Direct energy transmission (τ_e)	(%)	37	30	26	
Direct energy reflection ($\rho_{e;ext}$)	(%)	32	34	38	
Energy absorption outer pane (α_e)	(%)	30	35	36	
Energy absorption inner pane (α_e)	(%)	1	1	1	
Total energy transmission (g)	(%)	39	32	28	
Thermal insulatino, Ug-value					
Cavity 15 - 16 mm + Argon gas fill	(W/m^2K)	1,0	1,0	1,0	
Cavity 9 - 12 mm + Krypton gas fill	(W/m^2K)	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.

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