

Scheuten heat reflective insulating glass

ISOLIDE[®] SUPERPLUS



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Product name Type Glass composition (# = position of coating) Colour impression Remarks	Isolide [®] Superplus 1.1 SSN 1.1 4 - [cavity] - #4 Neutral	Isolide [®] Superplus 1.0 NG SSN 1.0 NG 4 - [cavity] - #4 Neutral *
Daylight		
Light transmission (τ_v) (%)	82	76
Exterior light reflection ($\rho_{v,ext}$) (%)	11	15
Interior light reflection ($\rho_{v,int}$) (%)	11	17
Colour rendering index (Ra)		
Translucency (%)	98	98
Solar light and energy		
Direct energy transmission (τ_e) (%)	58	48
Direct energy reflection ($\rho_{e,ext}$) (%)	28	38
Energy absorption outer pane (α_e) (%)	6	7
Energy absorption inner pane (α_i) (%)	8	8
Total energy transmission (g)	65	55
Thermal insulation, Ug-value		
cavity 9 mm + Argon gas fill (W/m ² K)	1,6	1,5
cavity 10 mm + Argon gas fill (W/m ² K)	1,4	1,4
cavity 12 mm + Argon gas fill (W/m ² K)	1,3	1,2
cavity 13 mm + Argon gas fill (W/m ² K)	1,2	1,1
cavity 14 mm + Argon gas fill (W/m ² K)	1,1	1,1
cavity 15 mm + Argon gas fill (W/m ² K)	1,1	1,0
cavity 16 mm + Argon gas fill (W/m ² K)	1,1	1,0
cavity 18 mm + Argon gas fill (W/m ² K)	1,1	1,1
cavity 20 mm + Argon gas fill (W/m ² K)	1,1	1,1
cavity 10 mm + Krypton gas fill (W/m ² K)	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.

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.

For questions, consult our sales department.

* In view of the higher light reflection values we advise to sample these glazings in advance.