

Scheuten heat reflective insulating glass

ISOLIDE® SUPERPLUS

October 2024

Product name		Isolide® Superplus 1.1	Isolide® Superplus 1.0 NG
Type		SSN 1.1	SSN 1.0 NG
Glass composition (# = position of coating)		4 - [cavity] - #4	4 - [cavity] - #4
Colour impression		Neutral	Neutral
Remarks			*
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 (R_a)			
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_e)	(%)	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.



info@scheuten.com • www.scheuten.com

