



Scheuten heat reflective insulating glass

ISOLIDE[®] SUPERPLUS



july 2019

Product name		Isolide [®] Superplus 1.1	Isolide [®] Superplus 1.0	Isolide [®] Superplus 1.0 Plus
Type		SSN 1.1	SSN 1.0	SSN 1.0 Plus
Glass composition (# = position of coating)		4 - [cavity] - #4	4 - [cavity] - #4	4 - [cavity] - #4
Colour impression		Neutral	Neutral	Neutral
Remarks			* - **	*
Daylight				
Light transmission (τ_v)	(%)	82	70	76
Exterior light reflection ($\rho_{v,ext}$)	(%)	11	21	16
Interior light reflection ($\rho_{v,int}$)	(%)	11	22	17
Colour rendering index (R_a)				
Translucency	(%)	98	97	97
Solar light and energy				
Direct energy transmission (τ_e)	(%)	58	44	49
Direct energy reflection ($\rho_{e,ext}$)	(%)	28	41	37
Energy absorption outer pane (α_e)	(%)	6	7	7
Energy absorption inner pane (α_i)	(%)	8	9	8
Total energy transmission (g)	(%)	65	52	56
Thermal insulation, Ug-value				
cavity 9 mm + Argon gas fill	(W/m ² K)	1,6	1,5	1,5
cavity 10 mm + Argon gas fill	(W/m ² K)	1,4	1,4	1,4
cavity 12 mm + Argon gas fill	(W/m ² K)	1,3	1,2	1,2
cavity 13 mm + Argon gas fill	(W/m ² K)	1,2	1,1	1,1
cavity 14 mm + Argon gas fill	(W/m ² K)	1,1	1,1	1,1
cavity 15 mm + Argon gas fill	(W/m ² K)	1,1	1,0	1,0
cavity 16 mm + Argon gas fill	(W/m ² K)	1,1	1,0	1,0
cavity 18 mm + Argon gas fill	(W/m ² K)	1,1	1,1	1,1
cavity 20 mm + Argon gas fill	(W/m ² K)	1,1	1,1	1,1
cavity 10 mm + Krypton gas fill	(W/m ² K)	1,0	1,0	1,0

Optical and thermal properties are based on EN 1096, EN 410, EN 673 and EN 12898.

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.

** This SSN 1.0 coating is to end. Consult our sales department for availability.