Scheuten heat reflective insulating glass

ISOLIDE® SUPERPLUS

October 2024

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 (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^2K)	1,6	1,5		
cavity 10 mm + Argon gas fill	(W/m^2K)	1,4	1,4		
cavity 12 mm + Argon gas fill	(W/m^2K)	1,3	1,2		
cavity 13 mm + Argon gas fill	(W/m^2K)	1,2	1,1		
cavity 14 mm + Argon gas fill	(W/m^2K)	1,1	1,1		
cavity 15 mm + Argon gas fill	(W/m^2K)	1,1	1,0		
cavity 16 mm + Argon gas fill	(W/m^2K)	1,1	1,0		
cavity 18 mm + Argon gas fill	(W/m^2K)	1,1	1,1		
cavity 20 mm + Argon gas fill	(W/m^2K)	1,1	1,1		
cavity 10 mm + Krypton gas fill	(W/m^2K)	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.*

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