

Scheuten heat reflective triple insulating glass

TRISOLIDE[®] SUPERPLUS



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Product name Type Glass composition (# = positioning of coating) Colour impression Remarks	Trisolide [®] Superplus SSN 1.1 4# - [cavity] - 4 - [cavity] - #4 Neutral	Trisolide [®] Superplus SSN 1.0 NG 4# - [cavity] - 4 - [cavity] - #4 Neutral *	Trisolide [®] Superplus SSN 1.0 NG 4# - [cavity] - 4 - [cavity] - #4 Neutral SSN 1.1 inner pane - *
Daylight			
Light transmission (τ_v) (%)	74	65	69
Exterior light reflection ($\rho_{v,ext}$) (%)	14	22	19
Interior light reflection ($\rho_{v,int}$) (%)	14	22	17
Colour rendering index (R_a)			
Translucency (%)	97	96	96
Solar light and energy			
Direct energy transmission (τ_e) (%)	46	35	39
Direct energy reflection ($\rho_{e,ext}$) (%)	31	41	38
Energy absorption outer pane (α_e) (%)	15	16	16
Energy absorption middle pane (α_e) (%)	3	3	2
Energy absorption inner pane (α_e) (%)	6	5	4
Total energy transmission (g) (%)	53	41	45
Thermal insulation, U-value			
cavity 10 mm + Argon gas fill (2x) (W/m ² K)	0,8	0,8	0,8
cavity 12 mm + Argon gas fill (2x) (W/m ² K)	0,7	0,7	0,7
cavity 14 mm + Argon gas fill (2x) (W/m ² K)	0,6	0,6	0,6
cavity 16 mm + Argon gas fill (2x) (W/m ² K)	0,6	0,5	0,5
cavity 18 mm + Argon gas fill (2x) (W/m ² K)	0,5	0,5	0,5
cavity 6 mm + Krypton gas fill (2x) (W/m ² K)	0,8	0,8	0,8
cavity 8 mm + Krypton gas fill (2x) (W/m ² K)	0,7	0,6	0,6
cavity 10 mm + Krypton gas fill (2x) (W/m ² K)	0,6	0,5	0,5
cavity 12 mm + Krypton gas fill (2x) (W/m ² K)	0,5	0,4	0,5

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 triple 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.