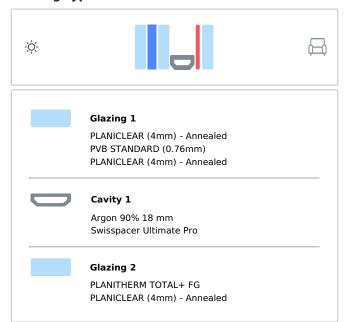




Coating: PLANITHERM TOTAL+ FG #5

Computed by: Matthew Cooksey Computed on: 18/12/2024 Product catalog: United Kingdom Norms: EN410 (2011-04)

Glazing type



swisspacer

Swisspacer Ultimate Pro

Psi-values (Ψg) for double glazing

For windows

Metal with thermal break	0.036 W/(m.K)
Plastic	0.031 W/(m.K)
Wood	0.031 W/(m.K)
Wood / Metal	0.033 W/(m.K)

For facade profiles

i or racade promies	
Wood / Metal	0.055 W/(m.K)
Metal with thermal break (di = 100mm)	0.074 W/(m.K)
Metal with thermal break (di = 200mm)	0.078 W/(m.K)

Source: ift Rosenheim directive WA-08/3 and WA-22/2 ("Warm edge" working group) / Bundesverband Flachglas (German Flat Glass Association) window data sheets

Simulated performance datas

Luminous Factors	CIE (15-2004)
Light Transmittance (TL)	78%
Outdoor Reflectance (RLe)	13%
Indoor Reflectance (RLi)	13%

∳ Energy Factors	EN410 (2011-04)
Transmittance (TE)	57%
Outdoor Reflectance (Ree)	17%
Indoor Reflectance (Rei)	21%
Absorptance A1 (AE1)	19%
Absorptance A2 (AF2)	8%

Solar Factors	EN410 (2011-04)
Solar Factor (g)	0.64
Shading Coefficient (SC)	0.74

☼ Thermal Transmission	EN673-2011
Ug	1.2 W/(m2.K)
Angle relative to the vertical	0°

1111	Acoustics	EN 12758

Acoustic simulated values	
Rw (C;Ctr)	39 (-3; -7) dB
Ra	36 dB
Ra,tr	32 dB
STC (ASTM E413)	39
OITC (ASTM E1332)	29

	CIE (15-2004)
Transmission (Ra)	98.4
Reflection (Ra)	91.6

Safety Class	EN 12600
Pendulum Body Resistance	1B1/NPD
Anti-Burglary	EN 356

Manufacturing Sizes	
Nominal Thickness	30.8 mm

Weight 31 kg/m²

Sustainability

Carbon footprint

The value is calculated regarding the composition computed based on the standard EN 15804+A2 (2019)

Global Warming Potential (GWP) - A1-EN 15804+A2 (2019)

(kg, CO₂ eq./m²) European average