



Glazing 1	PLANICLEAR 4 mm PLANITHERM 4S EVOLUTION
Cavity 1	Argon 90% 16 mm
Glazing 2	PLANICLEAR 4 mm
Cavity 2	Argon 90% 16 mm
Glazing 3	PLANITHERM XN PLANICLEAR 4 mm

Last name: Dusica Stojiljkov

Country: Serbia

Notes:

LUMINOUS FACTORS EN410 (2011-04)

Light Transmittance (TL)	55 %
Outdoor Reflectance (RLe)	24 %
Indoor Reflectance (RLi)	26 %

THERMAL TRANSMISSION EN673-2011

Ug	0.5 W/(m².K)
Angle relative to the vertical	0 °

MANUFACTURING SIZES

Nominal Thickness	44.00 mm
Weight	30.0 kg/m²

ACOUSTICS EN 12758

Acoustic values according to EN 12758 and from notified body

Rw (C;Ctr)	32 (-1; -5) dB
STC (ASTM E413)	N/A
OITC (ASTM E1332)	N/A

SAFETY CLASS EN 12600

Pendulum Body Resistance	NPD
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ENERGY FACTORS EN410 (2011-04)

Transmittance (TE)	31 %
Outdoor Reflectance (Ree)	39 %
Indoor Reflectance (Rei)	39 %
Absorptance A1 (AE1)	24 %
Absorptance A2 (AE2)	2 %
Absorptance A3 (AE3)	4 %

SOLAR FACTORS EN410 (2011-04)

Solar Factor (g)	0.36
Shading Coefficient (SC)	0.41

COLOR RENDERING

Transmission (Ra)	95
Reflection (Ra)	98

ANTI-BURGLARY EN 356

Burglar Resistance	NPD
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CARBON FOOTPRINT EN 15804+A2

Global Warming Potential (GWP) (kg, CO ₂ equiv/m²) European average	53.30
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Calumen calculates the photometric characteristics and thermal transmission of glass using calculation algorithms which comply with the following standards: the European standards EN 410 and EN 673, the international standard ISO9050, the Japanese standard JIS R 3106/3107 and the Korean standard KS L 2514/2525. The functional output and calculation rules of Calumen for standards EN 410 and EN 673 have been validated by TÜV Rheinland (report 11923R-11-33705). The technical performances obtained according to these standards are provided for information only and are subject to amendment. Only the values entered in the performance declaration available on the CE marking site of Saint-Gobain Glass are official. The sound attenuation indices are measured under laboratory conditions according to the standards EN ISO 10140 and EN 12758. The calculated indices are provided for information only. The accuracy for Rw index lies within a range of +/-2dB. The glass thickness calculations comply with the 2012 version of the DTU39-P4 description. The USER is responsible for ensuring that the correct calculation hypotheses are entered and the DTU39 is applied appropriately for the project concerned.

