



Pane 1	PLANICLEAR 6 mm
Coating 2	PLANITHERM XN
Cavity 1	16 ARGON 90%
Pane 2	PLANICLEAR 6 mm
Coating 4	PLANITHERM XN
Cavity 2	16 ARGON 90%
Pane 3	PLANICLEAR 6 mm

Name : VASSILIOS MANIOS

Country : France

Notes: planitherm xn

	LUMINOUS FACTORS	EN410 (2011-04)
	Light Transmittance (TL)	73%
	Outdoor Reflectance (RLe)	14%
	Indoor Reflectance (RLi)	14%

	ENERGY FACTORS	EN410 (2011-04)
	Transmittance (TE)	45%
	Outdoor Reflectance (Ree)	30%
	Indoor Reflectance (REi)	30%
	Absorptance A1(AE1)	14%
	Absorptance A2	8%
	Absorptance A3	2%

	THERMAL TRANSMISSION	EN673-2011
	Ug	0.6 W/(m ² .K)
	0° related to vertical position	

	SOLAR FACTORS	EN410 (2011-04)
	Solar Factor (g)	52%
	Shading Coefficient (SC)	0.59

	MANUFACTURING SIZES	
	Nominal Thickness	50.00 mm
	Weight	45 kg/m ²

	COLOR RENDERING	
	Ra Light Transmittance	96
	Ra Outdoor Reflectance	92

	UV FACTORS	EN410 (2011-04)
	TUV	25%

	ANTI-BURGLARY	EN356
	Burglar Resistance	NPD

	SAFETY CLASS	EN 12600
	Pendulum Body Resistance	NPD

These values are calculated according to EN410 (2011-04) and EN673-2011 standards, the international standard ISO 9050, the Japanese standard JIS R 3106/3107, the Korean standard KS L 2514/2525 and the NFRC-2010 standards. For European norms, tolerances are defined according to EN1096-4 standard. Nevertheless, user must check the feasibility of the combination of glazing, particularly in terms of thickness and color. Furthermore, it is the user's responsibility to check that the resulting combination of glazing meets regulatory requirements at national, local or regional level. Computed values standards are indicative. Please use NFRC certified software for certified values. Calculation rules for EN410 (2011-04), EN673-2011, ISO 9050 (2003) m1.5 and ISO 9050 (1990) m1.0 standards and functional output of Calumen Live use Calumen 1.2.4 calculation engine, and have been validated by TUV Rheinland Quality Report 11923R-11-33705. Ug Values are calculated according to the French thermal regulation 2012 (RT2012). Acoustic indexes are representative of performances tested in laboratory conditions of a glazing of size 1.23x1.48m (EN ISO 10140-3 and EN 12758). In situ measurements may differ depending on the glazing size, environment, quality of the window frame, of the installation, source of noise, etc. The accuracy of the given indexes is in the range +/- 1dB (EN 12758). All glazing images are illustrative.

