SPECIFICATIONS **ISOVISTA® PREMIUM PLUS**
PANELS FROM 100 / 120 / 140 / 160 mm

SPECIFICATIONS ACCORDING	TECHNICAL VALUE	UNIT
GENERAL CHARACTERISTICS		
Lenght	131,5	mm
Width	54,5	mm
Thickness	100/120/140/160	mm
N. surface developed by 1 panel	0,51	m^2
N. surface developed by 1 corner panel	0,38	m^2
N. surface developed by 1 linear meter of corner panels	0,76	m^2
Orthogonality	± 2/1000	mm/mm
Flatness	± 5	mm
Dimensional stability under normal laboratory conditions	± 0,2	%
Declared thermal conductivity al 10 °C of the component	0,034	W/mK
Thermal resistence of the panel (slip + EPS insulation)		
100 mm	2,557	m^2K/W
120 mm	3,145	m^2K/W
140 mm	3,733	m^2K/W
160 mm	4,308	m^2K/W
Thermal transmittance (slip + EPS insulation)		
100 mm	0,39	W/m^2K
120 mm	0,32	W/m^2K
140 mm	0,27	W/m^2K
160 mm	0,23	W/m^2K
Resistence to bending	≥ 170	kPa
Reaction to fire	B-S1-D0	Class
SPECIFIC CHARACTERISTICS		
Compressive stress at 10 % strain	≥ 120	kPa
Factor of resistence to water vapor diffusion	30-70	μ
Water absorption for a long period of immersion	≤ 2	%
Water absorption by partial immersion	≤ 0,5	Kg/m^2
Water vapor permeability	0,010 - 0,024	mg/(Pa·h·m)
Specific heat capacity	1260	J/(Kg·K)
Apparent density with grouting	22,00	Kg/panel
Limit temperature of use	75	°C
SPECIAL EXPERIMENTS CARRIED OUT		
Shear bond slip/panel	526	Kg/panel
Tensile strenght to fixing panel/standard wall	524	Kg/panel
Cycles of thermal stress (8h at -20°C - 8h at 30°C / 50% moisture - 8h at 80°C / 90% moisture)		
Weight changes	4	‰
Variations in shape	1	‰