ROMA HEATING
Underfloor Heating

XPS FOAM INSULATION BOARDS - Technical data sheet

Properties		Value		Unit	Standard	CE Code
Density (typical value)		30		kg/m³	EN 1602	
Thermal Conductivity Declared		0.030	20 - 50 mm	W/m.K	EN 13164	λ_D
		0.031	51 - 80 mm			
		0.032	81 - 120 mm			
Compressive stress or compressive strength @ 10% deformation		300		kPa	EN 826	CS(10\Y)
Tensile Strength(1)		600		kPa	EN 1607	TR
Shear Strength		250		kPa	EN12090	SS
Moduli (typical values)	E-Modulus(1)	10	≤ 30 mm	MPa	EN 826	
		12	30 < ≤ 80 mm	MPa	EN 826	
		15	> 80 mm	MPa	EN 826	
	Tensile Modulus(1)	17	> 50 mm	MPa	EN 1607	
	Shear Modulus G	8(2)		MPa	EN 12090	
Water vapour diffusion resistance factor μ (tabulated value)		150		-	EN 12086	MU
Long term water absorption by total immersion		1.5		%	EN 12087	WL(T)
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)		< 5		%	EN 1604	DS(70,90)
Coefficient of linear thermal expansion (typical value)		0.07		mm/(m.K)	-	-
Fire Performance		E		Euroclass	EN 13501-1	
Temperature limits		-50/+75		°C	-	
Tolerances	Thickness	-0.5/+0.5		mm	EN 823	T
	Width	-0/+3		mm	EN 822	
	Length	-0/+10		mm	EN 822	
Dimensions	Thickness	50 - 125		mm	EN 823	
	Width	600		mm	EN 822	
	Length	1900 - 2500		mm	EN 822	
Edge Profile		Butt Edge				
Surface finish		Planed				

DESIGNATION CODE: XPS-EN 13164-T3-CS(10\Y)300-DS(70,90)-WL(T)1.5-TR600-SS250

CE

1) Measured in thickness direction

2) Typical value for Shear Modulus, may vary with the inplane direction.

1 N/mm² = 10³ kPa = 1MPa

ENVIRONMENTALLY FRIENDLY XPS INSULATION

Material shall be stored inside in original packaging, away from direct sun light or heat sources