

Technical Specification Insulation Board (ACC-IFLOATXX)

The high strength XPS insulation provide a strong layer of support for the finished floor. Each panel is manufactured from extruded polystyrene insulation (XPS) which has a high compressive strength, suitable for floating floor applications. Pre-routed channels are capable of taking Heat diffusion plates or just pipe. The panels are easily trimmed on site. Once the panels are in place, the pipe/heat plate is pressed into the channels. The product is available in standard thicknesses of 25 & 30.

Density (typical value)	32		kg/m ³	EN 1602	
Thermal Conductivity Declared	0.031	< 150mm	W/m.K	EN 13164	λD
	0.032	≥ 150mm	W/m.K		
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⁾	12	<30.0 mm	MPa	EN 826	
	15	30 < ≤ 80.0 mm	MPa	EN826	
	20	> 80.0 mm	MPa	EN 826	
	Tensile Modulus ⁽¹⁾	24	> 50.0 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	D (70,90)
Coefficient of linear thermal expansion (typical value)	0.07		mm/ (m.K)	-	-
Fire Performance	E		Euroclass	EN13501-1	
Temperature limits	-50/+75		°C	-	
Tolerances	Thickness	-0.5/+0.5	mm	EN 823 T	
	Width	-0/+3	<700.0 mm	mm	EN 822
	Width	-0/+5	>700.0 mm	mm	EN 822
	Length	-0/+10		mm	EN 822
Dimensions	Thickness	50 - 165	115	mm	EN 823
	Width	600	1220	mm	EN 822
	Length	1900-2500	3050	mm	EN 822
Edge Profile	Butt Edge				
Surface finish	Planed				