

# **XSISTECH** - Technical Data

## **Raised Floor Insulation**

### **Product Description :**

Xsistech PE Foam Access Floor Insulation, a cross-linked Polyethylene foam pre cut to 1200mm x 600mm with 25mm thickness and heat laminated with Aluminium foil. The closed cell structure of Polyethylene are known for its excellent insulation quality and good mechanical properties are able to provide a cost-effective solution as access floor insulation.

<b>Description</b>	<b>Unit</b>	<b>Test Standard</b>	
Density	25 Kg/m <sup>3</sup>	ISO 845	
Tensile Strength	MD CD	0.25 MPa 0.19	ISO 1798
Elongation At Break	MD CD	160 % 200	ISO 1798
Compression Stress Strain At Deflection	10% 25% 50%	13 Kpa 31 Kpa 87 Kpa	ISO 3386
Tear Strength		0.8 N/mm 0.8	DIN 53507
Operating Temperature		-40 to 110 °C	
Compression Set (22h, 25%, 23°C)	0.5h 24h	< 17 % < 9 %	ISO 1856
Thermal Conductivity	0°C 23°C 40°C	app. 0.036 W/mk app. 0.038 app. 0.041	JIS A 1412-2
Effect of water: Water Vapour Permeability Water Absorption (after 28 days) Vapour Transmission Factor (mu)		< 0.15 ng/Pasm < 3 % Vol 2190(foam only) 12900 (foam laminated with alum. foil)	DIN 52615
Colour		Grey	
Characteristics		Excellent flexibility & elasticity No fibre erosion Good resistance against ozone & UV	
Horizontal Burning Test Flammability Flammability Class B2 Oxygen Index Smoke Index Building Regulations		Certified Self-Extinguish PASSED 29.3 0 – 1 Class 0 Certified by Bomba, Malaysia	UL94HBF ASTM D 635 DIN 4102 ASTM D 2863 AS1530.3-1989 BS 476 Pt 6 & 7
Standard Size		1200mm x 600mm x 25mm thk	

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