

K.FOAM®

XPS Extruded Polystyrene Insulation Boards

Specification

Property	Standard	Unit	G-XPS ND	G-XPS MD	G-XPS HD
Density Range	DIN 53420	kg/m ³	30-32	32-35	40-45
Thermal Conductivity at 10°C (50°F)	DIN 52612 DIN 52616	w/m.k	0.029	0.028	0.027
Compressive Strength at 10% deformation	DIN 53421 ASTMD 1621-95	KPa psi	300 43	300 43	500 70
Water Absorption by Submersion	ASTM D1622	% by Vol	0.2	0.2	0.2
Water Vapour Diffusion Resistance Factory μ	DIN 51265	μ	100-200	100-200	150-220
Heat Stability / Compressive Creep	DIN 18164	20KPa 80° Type 2.8 psi 170°F 40KPa 70° Type 5.6 psi 158°F	WD WS	WD WS	WD WS
Linear Coefficient of Thermal Expansion Contractio (Heat Soaking Condition)	DIN 52328	°C °F	70x10 ⁻⁶ 39x10 ⁻⁶	70x10 ⁻⁶ 39x10 ⁻⁶	70x10 ⁻⁶ 39x10 ⁻⁶
Irreversible Dimensional Variation Result ok Laboratory Test with Temperature Changes up to 60° (140°F)		%	<0.2	<0.2	<0.2
Fire Classification	DIN 4102 Building Material Class		B1	B1	B1

Dimension

Length (mm)	1250
Width (mm)	600
Thickness (mm)	20 to 100
Side Finishing	Straight edge (SE) Shiplap (SL)
Surface Patterns	Plain (Glossy) (P) Embossed (E) Grooved (G)