



TECHNICAL DATASHEET

XPS EXTRUDED POLYSTYRENE INSULATION

XPS 300

XPS 300 is a rigid extruded polystyrene insulation board providing a solution to technically demanding applications where high compressive loading is a requirement.

XPS 300 is suited for use in commercial, industrial and cold storage areas where vehicular traffic and loading is an issue. XPS is suitable for use in applications such as basement floor, wall and inverted flat roof build-ups.

Dimensions: 1250 x 600mm

Profile: Rebated Edge

1. Products & Units

Essential Characteristics	Performance	Test Standard
Thermal Conductivity	40-60mm: 0.034 W/mK 70-90mm: 0.035 W/mK ≥ 100mm: 0.036 W/mK	EN 12667:2001
Reaction to Fire	Euroclass E	EN 113501-1:2018
Thickness Tolerance	+2/-2 (<50mm) +3/-2 (≥50mm)	EN 823:2013
Compressive Strength	300 kPa at 10% compression	EN 826:2013
Water Absorption	WL(T)0,7	EN 12807:2019

Thermal Resistances

Thickness (mm)	R-Value (m ² K/W)
50	1.45
60	1.75
80	2.25
100	2.75
120	3.30
140*	3.84
160*	4.40

ISO 9001:2015+A1:2024 Quality Management Systems
ISO 14001:2015+A1:2024 Environmental Management Systems

*Available subject to quantity and lead time

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