



TECHNICAL DATASHEET

XPS EXTRUDED POLYSTYRENE INSULATION

XPS 500

XPS 500 is a high performance rigid extruded polystyrene insulation board providing a durable thermal solution to technically demanding applications where high compressive loading is a requirement.

XPS 500 is ideally 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	40-80mm: 0.033 W/mK 85-120mm: 0.034 W/mK	EN 12667 EN 12667
Reaction to Fire	Euroclass E	EN 13501-1
Thickness Tolerance	+2/-2 (<50mm) +3/-2 (≥50mm)	EN 823
Compressive Strength	500 kPa at 10% compression	EN 826
Water Absorption	WL(T)0,7	EN 12807

Thermal Resistances

Thickness (mm)	R-Value (m²K/W)
50	1.50
60	1.80
80	2.25
100	2.85
120	3.50

ISO 9001:2015 +A1:2024
ISO 14001:2015+A1:2024

Quality Management Systems
Environmental Management Systems

*Available subject to quantity and lead time

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