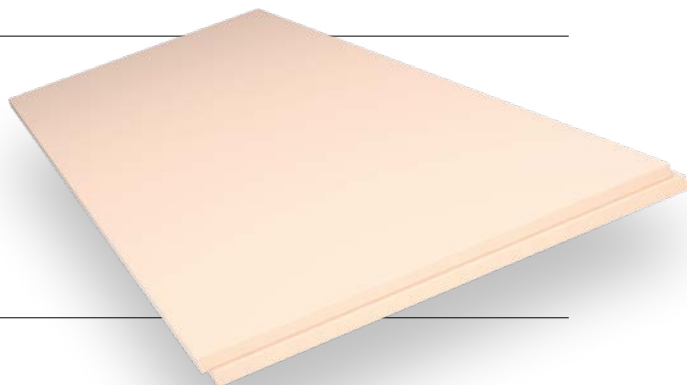


# TECHNICAL DATASHEET

## XPS EXTRUDED POLYSTYRENE INSULATION



### XPS 500

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

XPS 500 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	40-80mm: 0.033 W/mK 85-120mm: 0.034 W/mK	EN 12667:2001
Reaction to Fire	Euroclass E	EN 13501-1:2018
Thickness Tolerance	+2/-2 (<50mm) +3/-2 (≥50mm)	EN 823:2013
Compressive Strength	500 kPa at 10% compression	EN 826:2013
Water Absorption	WL(T)0,7	EN 12807:2019

## Thermal Resistances

Thickness (mm)	R-Value (m <sup>2</sup> K/W)
50	1.50
60	1.80
80	2.40
100	2.90
120	3.50

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

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