

TECHNICAL DATA SHEET

- Jointing Systems
- Polythene Builders Film
- Formwork
- Formworking Accessories
- Nails
- Tie Wire
- Loop Ties
- Waterproofing

XPS Underslab Insulation

DESCRIPTION

Set-up XPS foam underslab insulation is the perfect solution under concrete slabs due to its high compressive strength and excellent thermal benefits. The guaranteed mechanical, physical and chemical properties ensure that its compliant to domestic and international standards.



FEATURES

- Lightweight & Easy to Handle
- Industry leading thermal properties
- Can easily be cut with a knife or saw
- High compressive strength
- Contains fire retardant to prevent accidental ignition
- Impervious to water for additional thermal resistance

ESTIMATING & SIZES

Set-Up XPS underslab foam insulation are typically supplied in 600mm x 2400mm sheets and are available in the following sizes:

- 25mm
- 30mm
- 40mm
- 50mm
- 60mm
- 75mm

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PHYSICAL PROPERTIES

Density	Value	Test Method
Density	32-36kg/m ³	
Compressive Strength - 10% Deformation	25mm - >250kPa 30mm - >250kPa 40mm - >300kPa 50mm - >350kPa 60mm - >350kPa 75mm - >350kPa	AS-2498.3
Nominal Thermal Resistance	25mm - 0.81R 30mm - 0.97R 40mm - 1.29R 50mm - 1.52R 60mm - 1.82R 75mm - 2.27R	AS-2464.5 ASTMC518
Water Absorbtion - Max	1.7% vol/vol	AS-2498.8
Rate of Vapour Transmission, max. (Measured parallel to rise at 23°C, dry conditions)	125 µg/m ² s	AS-2498.5
Max dimensional stability of length, with and thickness; (7 days @ 70°C - Dry Conditions)	<1%	AS2488.6
Flame Propogation Characteristics		
- median flame duration max.	1.5s	AS-2122.1
- eighth value, max.	2.5s	AS-2122.1
- median volume retained	70%	AS-2122.1
- eighth value, min.	60%	AS-2122.1

set-up

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Set-Up products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: Set-Up XPS Foam Insulation
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