



It's a whole new season

IsoBoard (XPSBoard®)

Description: A rigid board bulk thermal insulator, available in various thicknesses and lengths to meet most insulation requirements

Edge Profile: Tongue and groove side profile
Straight Edge
Shiplap

Uses

- Nail up ceiling application – steel
- IsoBoard – trap door specification
- Over purlin application
- Cavity Wall application
- Nail up ceiling application – wooden trusses
- In between rafters
- Inverted roof application
- Under floor application

Thickness	R-Value
25	0.893
30	1.071
40	1.429
50	1.786
80	2.857

Specifications and Properties:

(as tested by SABS, CSIR & confirmed in Agrément certificates)

- Density 32 - 36 kg/m³
- Compressive Strength 220 - 310 kpa
- Water vapor permeability 0.78 ng/Pa.s.m
- Co-Efficient of Linear Expansion and Contraction 0.067mm per °C
- Thermal Conductivity @ 90 days 0.024 W/m°C
- Water Absorption 0.26% by volume
- Combustibility and flame spread SANS 428, B1,B2 H&V
- Toxicity 2.34 (less toxic than wood)

Length: 1.8m; 2.4m – 7.2m in 600mm increments, and 8m

Width: 600mm

IsoBoard Over Purlin Spans: (for dark coloured roofs and residential use reduce span by 200mm)

- 25mm IsoBoard: 1100 mm without support
- 30mm IsoBoard: 1400 mm without support
- 40mm IsoBoard: 1600 mm without support

IsoBoard Finishes:

- Bevelled @ 100mm centers (Isopine/T&G effect)
- Bevelled @ 600mm centers
- Plain

• **IsoBoard Over Rafter Spans:**

750mm

• **IsoBoard Nail Up Ceiling Spans:**

600mm

• **IsoBoard Exposed Rafter Spans:**

Batten alongside truss, & one in middle. If greater than 1200mm apart, apply Nail Up recommendation

IsoBoard Lighting recommendations:

- Fix any light fittings to brandering or trusses, as the IsoBoard cannot handle the weight of the light.
- If the light will generate over 80°C, we advise that a spacer block be placed between the light fitting and the IsoBoard
- For downlighters use fittings that have a rotating globe, this will prevent heat from transferring from the globe to the frame.
- The downlighter globes that can be used are the MR16 and GU10 types.