

Product Data Sheet

# Nicobond Tile Backer Board

**Description**

Constructed from extruded polystyrene and coated with a glass-fibre mesh reinforced polymer modified cement mortar on both sides, Nicobond Tile Backer Board can be used universally as a conventional tile backer board or construction panel. With excellent thermal properties it is the ideal insulation layer beneath undertile heating systems.

**Application**

Nicobond Tile Backer Board offers the perfect alternative to timber or gypsum substrates to receive tiling. It is lightweight, rigid, dimensionally stable and waterproof, all properties deemed necessary within the requirements of BS5385.

Pre-cut panels, Pipe covers, bath panels and bespoke solutions available.

**Features**

- Ideal for Undertile heating systems
- Easy to cut and install
- Waterproof
- Eco friendly – Does not use HCFC or CFC Gases during manufacture.
- Suitable for walls and floors
- Can be used in interior or exterior situations
- Various sizes available
- Acoustic Properties
- High U values

Properties	Unit	Value
Compressive Strength	Kpa	300
Thermal Conductivity to BS874	W/Mk	0.027
Thermal Conductivity to BS EN 13164 5 Years	W/Mk	0.031
Water Absorption	% by volume	0.20
Density	Kg/m <sup>3</sup>	36
Flexural Strength (Transverse)	Kpa	600
Flexural Strength (Longitudinal)	Kpa	700
EU Regulation – Substances which Deplete the Ozone Layer	EC/3093/94	0
Weight Loading for Tiles	Kg/m <sup>2</sup>	87
Temperature Range	Deg C	-50 to +75
Fire Performance – Surface Spread of flames	BS476 part 6,7	Class O
Weighted Impact Sound Improvement Index (ΔLw) 6mm Board - BS EN ISO 717-2:2103	dB	19

**Thermal Properties**

Thickness	Width	Length	Weight	U-Value (W/m <sup>2</sup> K)
6	600	1200	2.36	4.50
10	600	1200 or 2400	2.37 or 4.74	2.70
12.5	600	1200 or 2400	2.42 or 4.84	2.16
20	600	1200 or 2400	2.59 or 5.18	1.35
30	600	1200 or 2400	2.81 or 5.62	0.90
40	600	1200 or 2400	3.03 or 6.06	0.67
50	600	1200 or 2400	3.25 or 6.50	0.54
60	600	1200 or 2400	3.47 or 6.94	0.45

**Available Board Sizes**

N2553006	600 X 1200 X 6mm	N2553040	600 x 2400 x 40mm
N2553010	600 x 1200 x 10mm	N2553050	600 x 2400 x 50mm
N2553012	600 x 2400 x 12.5mm	N2553060	600 x 2400 x 60mm
N2553020	600 x 2400 x 20mm	N2553070	600 x 2400 x 70mm
N2553030	600 x 2400 x 30mm	N2553084	2400 x 1200 x 12.5mm

**Protection of the Workplace and the Environment:** No special measures are required.

**Disposal:**

All product residues are treated as normal construction waste.



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