DeltaBoard

High Performance Thermal Construction Boards

DeltaBoard is a multi-purpose lightweight construction board, designed for the application of all tile types, cement based screeds and synthetic renders. DeltaBoard is manufactured using high density extruded polystyrene which provides excellent insulating properties.
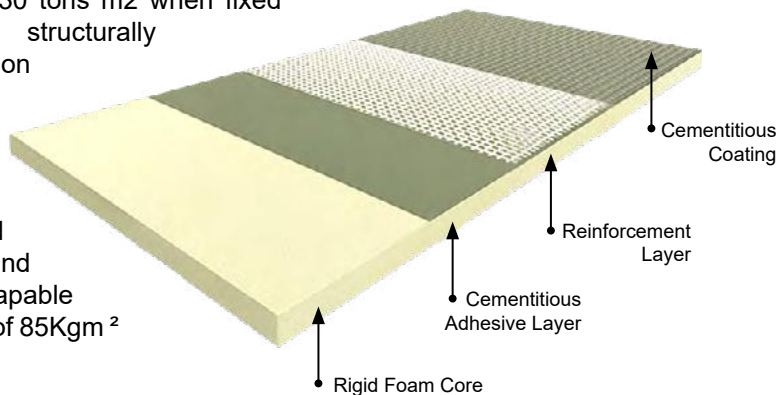
The extruded polystyrene core has a factory applied reinforced cement coating which provides excellent impact strength, sound reduction and fire resistance making them ideal for construction.

DeltaBoard is easy to use and can be fixed using cement based flexible tile adhesive – solvent based or ready mixed adhesives MUST NOT be used. Alternatively DeltaBoard can be fixed using dowels and washers. Once fixed, Deltaboard provides a perfect surface on which to apply finishes such as tiles, synthetic renders, decorative plaster etc.

DeltaBoard enhances underfloor heating systems by reducing downwards heat loss. DeltaBoard is resistant to water making them ideal for use in areas subject to prolonged or permanent water immersion.

DeltaBoard fixed to floors can resist significant static loads of up to 30 tons m2 when fixed over concrete and structurally stable floors (calculation based on a 1mtr x 1 mtr tile fixed over the Deltaboard)

DeltaBoard fixed to Masonary walls and stud framework is capable of vertical tile loading of 85Kgm ²

(DeltaBoard Material Layers)
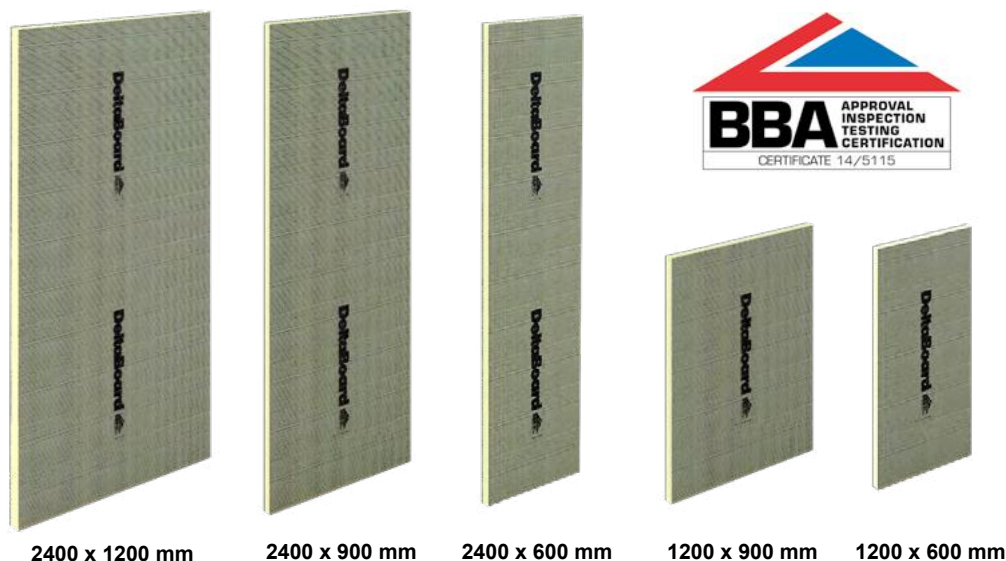
Cementitious Coating

Reinforcement Layer

Cementitious Adhesive Layer

Rigid Foam Core

Technical Data (Refer to Building Regulations for product compatibility)

Properties	Value
Compressive Strength (10% deformation) BSEN 826	300 kPa
Thermal Conductivity to BSEN 13164	0.036 W/mK
Water Absorbtion by Immersion EN12087	≤ 1.5%
Density	36 kg/m3
Temperature Range	-50°C, + 75°C
Fire Performance BS 476 part 6,7 surface spread of flames / EN 13501-1	National Class O / Euroclass E
Sound Reduction to BS EN ISO 10140-3 test result based on 6mm board	(Δ/w) 19dB
Static loads fixed over concrete and structurally stable floors (calculation based on a 1 mtr x 1 mtr tile fixed over the Deltaboard)	30 Tons per m²

What's Under Your Tiles?
For more information or bespoke sizes to suit your needs please contact head office.

2400 x 1200 mm 2400 x 900 mm 2400 x 600 mm 1200 x 900 mm 1200 x 600 mm

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 14/5115

DeltaBoard can be used anywhere where tile is applied; on floors, walls, ceilings and even counter tops. It should be used especially in wet areas such as bathrooms and kitchens where walls and floors are particularly exposed to moisture. Typically, 10mm is used on the floors and 12.5mm on the walls, however our boards range from 4mm right through to 80mm to suit any project.

DeltaBoards have various benefits and features to help everyday life, a few examples are shown on the following pages from Sound Reduction to how the high performance construction board enhances underfloor heating.

Product ID	Thickness	Size	Weight	U-Value
B0004D	4mm	600mm x 1200mm	2.15 Kg	3.66 W/m2K
B0010D	6mm	600mm x 1200mm	2.35 Kg	3.04 W/m2K
B0020D	10mm	600mm x 1200mm	2.37 Kg	2.27 W/m2K
B0030D	12.5mm	600mm x 1200mm	2.42 Kg	1.96 W/m2K
B0040D	20mm	600mm x 1200mm	2.59 Kg	1.39 W/m2K
B0050D	30mm	600mm x 1200mm	2.81 Kg	1.00 W/m2K
B0060D	40mm	600mm x 1200mm	3.03 Kg	0.79 W/m2K
B0070D	50mm	600mm x 1200mm	3.25 Kg	0.64 W/m2K
B0080D	60mm	600mm x 1200mm	3.47 Kg	0.55 W/m2K
B0090D	70mm	600mm x 1200mm	3.59 Kg	0.47 W/m2K
B0095D	80mm	600mm x 1200mm	3.91 Kg	0.42 W/m2K
Product ID	**Thickness**	**Size**	**Weight**	**U-Value**
B0120D	10mm	600mm x 2400mm	4.74 Kg	2.27 W/m2K
B0130D	12.5mm	600mm x 2400mm	4.84 Kg	1.96 W/m2K
B0140D	20mm	600mm x 2400mm	5.18 Kg	1.39 W/m2K
B0150D	30mm	600mm x 2400mm	5.62 Kg	1.00 W/m2K
B0160D	40mm	600mm x 2400mm	6.06 Kg	0.79 W/m2K
B0170D	50mm	600mm x 2400mm	6.51 Kg	0.64 W/m2K
B0180D	60mm	600mm x 2400mm	6.94 Kg	0.55 W/m2K
B0190D	70mm	600mm x 2400mm	7.38 Kg	0.47 W/m2K
B0195D	80mm	600mm x 2400mm	7.82 Kg	0.42 W/m2K
Product ID	**Thickness**	**Size**	**Weight**	**U-Value**
B0131D	12.5mm	1200mm x 2400mm	9.68 Kg	1.96 W/m2K
B0141D	20mm	1200mm x 2400mm	10.36 Kg	1.39 W/m2K
B0181D	60mm	1200mm x 2400mm	13.88 Kg	0.55 W/m2K
Product ID	**Thickness**	**Size**	**Weight**	**U-Value**
B0035D	12.5mm	900mm x 1200mm	3.60 Kg	1.96 W/m2K
Product ID	**Thickness**	**Size**	**Weight**	**U-Value**
B0135D	12.5mm	900mm x 2400mm	7.20 Kg	1.96 W/m2K