

TECHNICAL DATA SHEET

Date: 22 August 2017

Version: 1001

Pages: 2

Arc MagnaBoard

DESCRIPTION:

Arc MagnaBoard is a chloride free magnesium board for use as a substrate prior to tiling.

It offers the following advantages over traditional substrates such as Gypsum and Plywood boards:

- Moisture & water resistant – MagnaBoards will not physically deteriorate, swell or expand when subject to water or moisture
- Mould & mildew resistant
- Fire Resistant – Non-combustible, non-flammable to A1
- Impact Resistant – Withstands surface impact
- Ease of application – Lightweight and easy to cut
- Strong – Reinforced with a fiberglass mesh
- Stable – Will not crack, expand or corrode when subject to temperature or moisture variations

USES:

For wall & floor tiling in internal & external locations. Ideal for kitchens, bathrooms and other high humidity areas.

INSTALLATION:

Wall installation:

MagnaBoards can be attached to either timber or steel studwork using stainless steel or hot dipped galvanised screws. Fix boards horizontally to the frame with fixings every 300mm. Fixings should be a minimum of 15mm from the edge and 20mm from corners. Boards should be offset so 4 corners never meet at the same point.

Floor installation:

MagnaBoards can be fixed to concrete or timber floors. Fix boards to a concrete sub floor using an Arc flexible tile adhesive ensuring full surface contact. Boards should be offset so 4 corners never meet at the same point. Timber floors should be a minimum of 18mm thick and properly prepared ensuring stability and minimum movement. Fix boards with fixings every 300mm. Fixings should be a minimum of 15mm from the edge and 20mm from corners. Boards should be offset so 4 corners never meet at the same point.

Joints:

Joints should be taped with either Arc Scrim Tape or for water resistance, Arc Butyl Sealing Tape.

Priming:

The boards should be fixed with the rough side out as this will give greater adhesion to the tile adhesive. Surfaces should be primed with Arc Tilers Primer diluted 3:1 with water.

MagnaBoards have been tested and are approved for use with Arc tile adhesives and primers.

For wet rooms, use Arc Tile Backer Boards and Showerlays.

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SPECIFICATION:

Size:	1200mm x 600mm
Thickness:	6 & 12mm
Density:	0.85 -1.05 g/cc
Color:	White
Flexural strength:	11 Mpa
Impact strength:	20.3 KJ/m ²
Apparent density:	1049 kg/m ³
Holding the bolt strength:	49 N/mm
Thermal conductivity coefficient:	0.206 W/(m*k)
Combustion property:	A1 Grade

STORAGE:

Boards should be stored flat on a pallet off the ground. Boards should not be leant upright for long periods of time. Store indoors in dry conditions.

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Arc Building Products products are available for sale in accordance with Arc Building Products standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use, and any labour involved is beyond our control. Our warranty is therefore limited to the quality of supplied product.