

Technical Data Sheet

Date of compilation: 18/06/2021

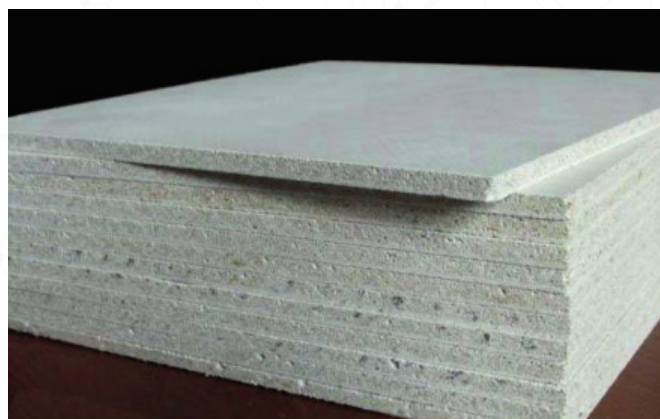
ARC MAGNA BOARD

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 – Magna Boards 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
- Will not crack, expand or corrode when subject to temperature or moisture variations
- Interior & exterior use



USES

For wall & floor tiling in internal & external locations. Ideal for kitchens, bathrooms and other high humidity areas. Suitable for use around stoves and flues as they are A1 fire rated and non-flammable and noncombustible. MagnaBoards are suitable for forming external facades and will receive a wide range of finishes including various render types, paint, plaster and brickslips.

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.

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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.

Joists:

Joists 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.

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.

TECHNICAL DATA

Size:	1200mm x 600mm & 2400mm x 1200mm
Thickness:	6 & 12mm
Density:	>1000kg/m ³
Color:	White
Flexural strength:	12-14 MPA (12mm)
Surface Alkalinity:	9-10
Thermal Conductivity:	0.124w/mk
Sound Insulation:	44dB
Water vapour permeability:	0.78
Combustion property:	A1 Grade
Load bearing:	100 kg/m ²

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NOTE

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. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. 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 are beyond our control. Our warranty is therefore limited to the quality of supplied product.