

MAGOXX Inner Walls

MAGOXX® Internal walls are the ideal product for constructing non-load-bearing walls.



Durable

Sustainable solution

MAGOXX interior wall boards are energy- and material-efficient. To produce magnesium oxide, you only need half the temperature of cement and concrete production. In summary, our solution leads directly to a 50% reduction in total CO2 emissions.



Environmental friendly

Small ecological footprint

Dispose of waste according to local regulations governing normal commercial waste. MAGOXX® Board contain no toxic substances. MAGOXX Interior wall boards are non-toxic, mold-resistant and free of asbestos and silicates. In addition, they are 100% recyclable.



Fire resistant

Very fireproof

MAGOXX®Board is tested in fire class A1 and can be combined with any type of insulation material. MAGOXX®Board is CE-certified. This means that our products are tested according to the European directives applicable to safety, health and the environment.

MAGOXX®Board is certified as a sustainable board material with an MKI (Environmental Cost Indicator) number of €0.91 per m². An Environmental Product Declarations (EPD) is available through MAGOXX's website, www.magoxx.com. In addition, MAGOXX is listed in the National Environmental Database (www.milieudatabase.nl) and has a DUBO certification in sustainability class 2.

DUBOKEUR®



Inner walls range

Characteristic	Board (4mm)	Board (6mm)	Board (9mm)	Board (12mm)	Board (15mm)
Dimension	3000*1200mm 2700*1200mm	3000*1200mm 2700*1200mm	3000*1200mm 2700*1200mm	3000*1200mm 2700*1200mm	3000*1200mm 2700*1200mm
Heat conductivity	n.a	n.a	0,213 W/(m*k)	0,231 W/(m*k)	n.a
Color	White	White	White	White	White
Acoustic conduction (single board)	n.a	n.a	26 dB	27 dB	28 dB
Fire Classification	A1	A1	A1	A1	A1
Moludus of Eleticity	7682 N/mm2	5315 N/mm2	5546 N/mm2	4986 N/mm2	3140 N/mm2
Similar Weight	831 kg/m2	808 kg/m2	834 kg/m2	874 kg/m2	943 kg/m2
Moisture RH65%	12,6%	12,6%	15,7%	16,9%	13,4%
Bending strength	27,48 N/mm2	19,81 N/mm2	10,69 N/mm2	12,33 N/mm2	13,4 N/mm2
Tensile strength perpendicular	7,48 N/mm2	4,81 N/mm2	0,98 N/mm2	2,04 N/mm2	1,49 N/mm2
Water barrier	Moist, but no dripping	Moist, but no dripping	No traces of moist	No traces of moist	No traces of moist
Compressive strength	13,43 N/mm2	11,50 N/mm2	13,71 N/mm2	15,89 N/mm2	9,4 N/mm2
LTEC <small>(Linear Thermal Expansion Coefficient)</small>	n.a	n.a	n.a	n.a	n.a
ECI-number <small>(Environmental Cost Indicator)</small>	0,91	0,91	0,91	0,91	0,91
Stiffness/ shear strength	n.a	n.a	OSB 3	OSB 4	OSB 4
H.O.H distance <small>(if constructively applied)</small>	30	30	45	60	60

When properly applied, these boards offer at least 3 months of guaranteed wind and water resistance if left outside without cladding applied to them.

General principles

Requirements for installing MAGOXX Interior walls/walls (4mm, 6mm, 9mm, 12mm, 18mm) in a ventilated or enclosed environment.

MAGOXX® Inner walls

MAGOXX® Board is the ideal product for constructing non-load-bearing interior walls and partitions. MAGOXX Board is easy to work with and can be mounted on wooden or metal frames using standard power tools.

Transportation and storage

Place the pallets on a level surface in a dry, covered, frost-free and well-ventilated area. Preferably cover the products during transport. Handle with care when moving heavy boards. The boards should not be heavily loaded.

Extra products

SINH™ Building Solutions recommends always combining MAGOXX®Board with by-products from a high-quality supplier. Use stainless screws for fastening MAGOXX®Board. We recommend using standard stainless DynaPlus screws.

Mounting order

Step 1

Be sure to cut MAGOXX boards to your preferable size. MAGOXX® boards 4mm and 6mm are easy to cut and cut by hand. Place the boards incrementally with the smooth side facing out (visible side).

Step 2

MAGOXX® Board can be used in combination with C-, U- and M-sections, galvanized closed profiles and wooden beams. Screws should be placed 20-30 mm apart. Use only stainless steel screws or nails for fixing the boards.

Step 3

After assembling the MAGOXX interior walls, joint the seams with a flexible sealant, such as MS polymer sealant Innotec Adheseal. If the boards are used in a wet room, or if you want to paint the boards, use a primer, such as Ardex P52, on the entire surface. If necessary, stick an alkali-resistant mesh tape over the seams.

Step 4

Using a putty knife, smooth the filler over the sealant or mesh tape. Cover the staples and screw heads with joint paste or other filler material. Allow this filler material to dry for at least three hours. Create a perfectly smooth surface by sanding each layer of filler flat with a sanding block.

MAGOXX[®] Board

FIRE-RESISTANT • SUSTAINABLE

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