

## MAGOXX Board Ceilings

MAGOXX Boards are the ideal product for making ceilings. The boards are highly insulating, fireproof and ideal for all finishes.



### Safe

#### Sustainable and safe solution

MAGOXX ceiling tiles are ecologically responsible and extremely safe in terms of health. MAGOXX Board was developed without silicates or asbestos, so it has no negative effects on the health of occupants or contractors. The materials are CE-certified and fully comply with European legislative standards.



### Weatherproof

#### Wind and water barrier Board

The ceiling boards are fire- and impact-resistant, lightweight, highly insulating and suitable for any finish. Even moisture and water do not affect MAGOXX Board, and mold and insects have no chance. The MAGOXX ceiling boards can be used in dry and wet situations, like ceilings, porches, eaves/ fascia and flat roofs.



### Fireproof

#### Very fire resistant

MAGOXX® Boards have been tested in fire class A1. 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 m<sup>2</sup>. An Environmental Product Declaration (EPD) is available through MAGOXX's website, [www.magoxx.com](http://www.magoxx.com). In addition, MAGOXX is listed in the National Environmental Database ([www.milieudatabase.nl](http://www.milieudatabase.nl)) and has a DUBO certification in sustainability class 2.

# Ceiling boards range

Characteristic	Board (9mm)	Board (12mm)
Dimension	3000*1200mm 2700*1200mm	3000*1200mm 2700*1200mm
Heat conductivity	0,213 W/(m*k)	0,231 W/(m*k)
Color	White	White
Acoustic conduction (single board)	26 dB	27 dB
Fire Classification	A1	A1
Moludus of Eleticity	5546 N/mm2	4986 N/mm2
Similar Weight	1000 kg/m2	1000 kg/m2
Moisture RH65%	15,7%	14,5%
Bending strength	10,69 N/mm2	12,33 N/mm2
Tensile strength perpendicular	0,98 N/mm2	2,04 N/mm2
Water barrier	No traces of moist	No traces of moist
Compressive strength	13,71 N/mm2	15,98 N/mm2
LTEC (Linear Thermal Expansion Coefficient)	0,009 mm per meter per C	0,006 mm per meter per C
ECI-number (Environmental Cost Indicator)	0,91	0,91
Stiffness/ shear strength	OSB 3	OSB 4
H.O.H distance (if constructively applied)	45	60

When properly applied, these panels 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 Board Ceiling Boards (4mm/6mm/9mm/12mm/18mm).

## Magoxx® Board Ceilings

MAGOXX® Board is an ideal product for building ceilings. MAGOXX® Board is easy to work with and easy to apply onto skeletal structures such as wood and steel.

## 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 steel screws for fastening MAGOXX® Board. We recommend using standard stainless DynaPlus screws to be used.

## Mounting order

### Step 1

Cut the MAGOXX ceiling boards to the preferable size. When mounting, place the boards with the smooth side facing outwards (visible side).

### Step 2

Then mount the ceiling boards against the beams.

### Step 3

Clamp the insulation between the beams and above the attached boards. Make sure the boards are spaced 3 mm apart. This is to avoid any pressure between the boards.

### Step 4

After installing the ceiling boards, join the seams with a flexible MS polymer sealant, such as Innotec Adheseal. If the boards are used in a moist room, or if you want to paint the boards, use primer on the entire surface (front and back) and the cut edges. Stick an alkali-resistant mesh tape over the seams. Create a perfectly smooth surface by sanding each layer of filler flat with a sanding block. If necessary, reapply filler paste again and again.

# MAGOXX<sup>®</sup> Board

FIRE-RESISTANT • SUSTAINABLE

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