

## MAGOXX Floor Boards

MAGOXX Boards are the ideal product for making floors. De boards are fireproof, impact resistant, lightweight and super isolating.



### Durable

#### Sustainable solution

MAGOXX floor 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

#### A small ecological footprint

Dispose of waste according to local regulations governing normal industrial waste. MAGOXX® Board contains no toxic substances this makes them easier to degrade. MAGOXX floor boards are non-toxic, mold-resistant and free of asbestos and silicates. In addition, they are 100% recyclable.



### Fireproof

#### Extremely fire resistant

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 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.

**DUBOKEUR**®



# Floor boards range

Characteristic	Board (18mm)
Dimension	2400*605 mm
Heat conductivity	0,9337 W/(m*k)
Color	Grey
Acoustic conduction (single board)	28 dB
Fire Classification	A1
Moludus of Eleticity	4,228 N/mm2
Similar Weight	1150 kg/m2
Moisture RH65%	18,1%
Bending strength	8,02 N/mm2
Tensile strength perpendicular	2,95 N/mm2
Water barrier	
Compressive strength	14,36 N/mm2
LTEC (Linear Thermal Expansion Coefficient)	
ECI-number (Environmental Cost Indicator)	0,91
Stiffness/ shear strength	OSB 4
H.O.H distance (if constructively applied)	30 CM

# General principles

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

## Magoxx® Floor boards

MAGOXX® Board floorboards are easy to work with and apply to a variety of skeletal structures such as wood and metal stud. The processor can choose between different applications such as a system floor, a floor construction with infra-red foil and a floor construction with underfloor heating.

## Transportation and storage

Place 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 sheets. The sheets should not be loaded horizontally.

## 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

Place the MAGOXX boards incrementally with the smooth side facing out (visible side) and slide them together in a half-brick bond.

### Step 2

To prevent impact sounds, lay a bumper strip along the walls. To ensure a well-insulated floor and create an even surface, use cork or felt as an underlayment. Lay one of these materials over the entire surface of the floor.

### Step 3

Saw the MAGOXX boards to size for your floor. Use a circular saw with a diamond blade for this purpose. Lay the boards in half-brick bond.

### Step 4

If necessary, the MAGOXX floor can be leveled last with cement-based leveling compound.

# MAGOXX<sup>®</sup> Board

FIRE-RESISTANT • SUSTAINABLE

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