

# MAGOXX<sup>®</sup> Board

safe, smart and sustainable

## Technical datasheet 12 mm MAGOXX<sup>®</sup> Board

### Product description

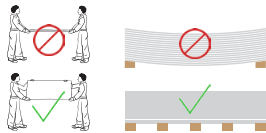
MAGOXX<sup>®</sup> board is an innovative, multi-purpose constructive board based on magnesium oxide, reinforced with multiple layers of glass fibre mesh. MAGOXX<sup>®</sup> board is highly durable, incombustible (fire rated Class A1), lightweight, energy efficient, sound isolating, weather proof, impact resistant and above all easy to install, which saves time and labor.

### Fields of applications

Our MAGOXX<sup>®</sup> board sheets are available in various lengths, widths and thicknesses. They can be used for limitless indoor and outdoor applications for commercial and non-commercial purposes. For example, MAGOXX<sup>®</sup> board are easily utilized in the construction of: false ceilings, rooftop construction, roofing underlayment, wall cladding, duct covers, drywall partitions, prefab construction, interior design.

### Transport and storage

Pallets should be stored on a flat surface, in a dry, covered, frost-proof and well ventilated area. Products should preferably be covered during transport. Care should be taken when handling heavy boards. The boards are non load bearing.



### Waste

Dispose of waste in accordance with local regulations and conditions for normal waste. MAGOXX<sup>®</sup> boards do not contain asbestos. Please see our Material Safety & Data Sheet for extensive waste disposal advice.

### Tolerance

Length	± 0,5% per mm
Width	± 0,5% per mm
Thickness	± 0,5% per mm

### Availability

Dimensions*	3000 x 1200 mm 2700 x 1200 mm * other dimensions on request
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Colour White (standard). Other colours on request

Surface Front side: smooth  
Back side: non-sanded or sanded

Weight 11,70 kg/m<sup>2</sup> for 12 mm MAGOXX<sup>®</sup> Board



### Product performance

Product performance	MAGOXX <sup>®</sup> Board 12 mm
Density	1.000 kg/m <sup>3</sup> ± 2,5%
Construction material fire class	A1
Moisture content	18,1 % (20 °C, 65% RV)
Thermal conductivity	0,213 W/(m K)
Acoustic conductivity (single sheet)	26 dB
Flexural strength MOR	20,67 N/mm <sup>2</sup>
Modulus of elasticity MOE	4,317 N/mm <sup>2</sup>
Tensile strength parallel	2,80 N/mm <sup>2</sup> (parallel to the board)
Compressive strength	10,06 N/mm <sup>2</sup>

### Performance tests

CE-certified (NB 0620)	ETA 15/0643
Flexural strength	ETAG 18-1/18-4, norm 5.2.4 EN 12467, norm 7.3.2
Tensile strength (perpendicular to the plane of the board)	EN 326-1, EN 319
Tensile strength (parallel to the plane of the board)	ETAG 18-1/18-4, EN 789 norm 9
Compressive strength	ETAG 18-1/18-4, EN 789, norm 8
Fire resistant wall construction (wood: 90 minutes & metal frames: 60 minutes)	EN 1364-1:2015
Fire resistant steel columns & beams (60 minutes)	EN 13381-4
Water resistance	EN 12467: 2012
Sound transmission class	ASTM E90 & ASTM E413

Technical specifications MAGOXX<sup>®</sup> Board

Note: All physical and mechanical values are averages, based on standard production and tested according to the European directives that apply in the areas of safety, health and the environment. If you need more information about specific product values, please consult magoxx.com.

SINH Building Solutions B.V.  
Caballero Fabriek Unit 68  
Saturnusstraat 60  
2516 AH The Hague  
The Netherlands

T: +31 (0) 88 3748400  
info@magoxx.com  
www.magoxx.com

MAGOXX<sup>®</sup> Board is a product of

