



Product description

maxit strohpanel plaster carrier board is a non-load-bearing interior board with square edges designed for plaster coating..

Product properties

maxit strohpanel plaster carrier board is a soundproofing, eco-friendly base board with high CO₂ sequestration, made from 100 % natural raw materials. It contains no petroleum-based chemicals or dispersions and is suitable for coating with maxit lime or clay plasters.

Field of application

As a base board for maxit lime or clay plasters on substructures for interior walls and ceilings, except in wet rooms. Use on the interior of exterior walls is possible after building physics approval.

Product benefits

- normally flammable
- dimensionally stable and resistant to ageing
- promotes a healthy living environment
- can be installed like a standard interior plaster base board
- significantly lighter than comparable interior boards
- high CO₂ binding capacity, lower primary energy content than comparable plaster base boards
- ecologically safe
- industrially compostable

Site requirements

The building structure must be sufficiently dry. The substructure must be suitable for carrying the loads of the

plaster carrier board and plaster coating, and should be plumb and aligned. The chosen fastening system (wide-bridge clips / flat-head screws) must be securely fixable in the substructure. Recommended stud spacing:

- thickness < 30 mm: max. 400 mm
- thickness ≥ 30 mm: max. 625 mm

Substrate preparation

Check the substructure for:

- dimensional accuracy (distances, plumb, and alignment)
- stability
- secure fixing of chosen fasteners

Installation

Use only boards with a maximum moisture content of 13% (measure with a straw moisture meter).

Fix boards plumb and aligned using wide-bridge clips or flat-head screws. Do not compensate for unevenness in the substructure. Refer to the installation guidelines for the number of fasteners. The required length depends on the board thickness and the anchoring depth.

Fixing in timber studs:

Wide-bridge clips Board thickness	Minimum length
22 mm	55 mm
30 mm	60 mm
40 mm	70 mm
50 mm	80 mm

maxit süd

Franken Maxit GmbH & Co.
Azendorf 63
D-95359 Kasendorf | Germany
Tel.: +49 (0)9220/18-0
www.maxit.de

maxit nord

maxit Baustoffwerke GmbH
Brandensteiner Weg 1
D-07387 Krölpa | Germany
Tel.: +49 (0)3647/433-0
www.maxit.de

maxit west

maxit west GmbH
Paul-Mathis-Straße 1
D-79291 Merdingen | Germany
Tel.: +49 (0)7668/711-0
www.maxit.de

Flat-head screws*	Minimum length
Board thickness	
22 mm	55 mm
30 mm	60 mm
40 mm	70 mm
50 mm	80 mm

Fixing in metal studs:

Flat-head screws*	Minimum length
Board thickness	
22 mm	35 mm
30 mm	45 mm
40 mm	55 mm
50 mm	65 mm

* threads suitable for metal studs

Plaster coating:

Apply maxit lime or clay plaster to the entire surface of the board. Fully embed the corresponding reinforcing mesh according to the chosen plaster. At external corners and openings, plan and install mesh corner beads or diagonal reinforcements as required. Detailed installation steps are provided in the installation guidelines.

Recommended wall build-up for sound insulation rating $R_w = 48$ dB

- 100 mm timber stud wall
- 100 mm mineral wool cavity insulation
- 30 mm maxit strohpanel plaster carrier board on both sides
- 7 mm maxit ip 315 plaster with maxit reinforcing mesh (MW) on both sides

Material consumption

Boards:

approx. 1.1 kg/m²

Actual consumption depends on on-site measurements and design specifications.

General information

Contact us for technical support if you have any questions regarding the application, substrate or special design features. Do not mix with other materials. Otherwise, the provisions of DIN 18340 VOB/C (Part C German Construction Contract Procedures) and ATV DIN 18299 (General Technical Specifications) apply.

Storage

Store flat on continuous surfaces, such as pallets, in a dry place, protected from moisture and the weather. Not suitable for stacking.

Disposal

Do not dispose of with household waste. Material can be incinerated in waste-incineration plants or processed in biogas or composting facilities. Dispose of in accordance with official regulations.

Logistics

Delivery is made in full pallets.

Board thickness [mm]	Boards per pallet	m ² per pallet
22	45	38.15
30	35	27.3
40	25	19.53
50	20	15.6

Scrap pieces can be returned sorted by type in supplied reusable bulk bags.

Legal notices

The information provided in this document is based on our technical knowledge and experience at the present time. It must be regarded as a general guideline only. Owing to the large number of potential influences, it does not relieve anyone using or processing our products from the responsibility of carrying out their own tests and experiments, nor does it imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user. This datasheet invalidates all previous datasheets.

Technical specifications		
Flexural tensile strength / E-modulus	based on DIN EN 310	
	Board thickness	N/mm ²
	22 mm	1.17
	30 mm	0.95
	40 mm	0.69
	50 mm	0.42
Reaction to fire	Class E according to DIN EN 13501 (normally flammable in accordance with the regional building regulations)	
Width	625 mm	
Length	1250 mm	
Thickness	22 / 30 / 40 / 50 mm	
Thickness swelling	25 % based on DIN EN 317	
	Board thickness	%
	22 mm	52.8
	30 mm	47.8
	40 mm	41.5
	50 mm	35.2
Board surface area	0.78 m ²	
Design thermal conductivity	0.069 W/(m·K)	
Bulk density	220 kg/m ³ ± 15 kg/m ³	
Moisture content	max. 13 % by mass	
Compressive strength	3.0 N/mm ²	
Transverse tensile strength	based on DIN EN 319	
	Board thickness	N/mm ²
	22 mm	0.0062
	30 mm	0.0052
	40 mm	0.0040
	50 mm	0.0029
Sound insulation rating	R _w = 48 dB	
Thermal conductivity, measured λ	0.059 W/(m·K)	