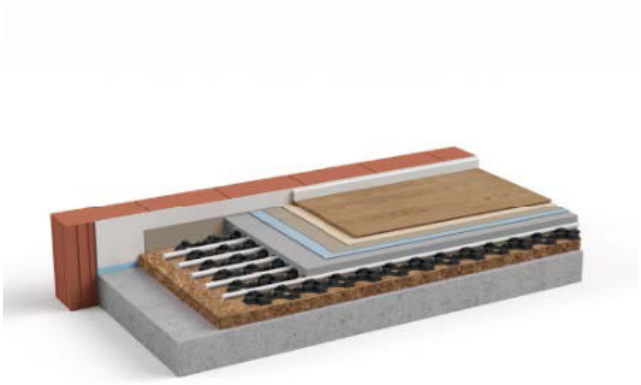

Product description

maxit plan strohpanel floor panels with square edges is suitable for use on various substrates or substructures in floor applications.

Product properties

- colour: brown-yellow
- dimensionally stable
- resistant to ageing
- rot-proof, industrially compostable
- edge profile: square
- formaldehyde-free

Field of application

Impact sound insulation panels for interior use (excluding wet rooms).

Product benefits

The ecological impact sound panel, made from renewable raw materials, significantly reduces CO_2 emissions. It consists of 100 % natural raw materials, contains no petrochemical products, and can be installed like standard impact sound panels.

Substrate

Suitable substrates include concrete ceiling/floor slabs, hollow brick slabs, and timber beam floors.

Substrate preparation

Ensure the substrate is clean, dry, level, stable, and suitable for supporting the intended load. Smooth out any protrusions or irregularities before installation. Repair and level any damaged surfaces. If moisture protection is required, plan and install a moisture barrier according to DIN 18534. Install perimeter insulation strips along the entire floor assembly, from the top of the structural floor slab to the top of the finished floor. Position the fasteners to avoid sound bridges.

Installation

Panels can be cut with standard cutting tools (band saws, circular saws; dust extraction may be required in enclosed spaces). Follow the guidelines on the installation and subsequent coating with recommended maxit products. Maximum panel moisture: 13% by mass (measured with a straw moisture meter). Lay the impact sound panels flush and tightly butted in a staggered pattern on the designated area. If a second layer is required, it should also be laid in a staggered pattern.

Material consumption

1.0 kg/m²

Storage

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

Disposal

Panels can be incinerated in waste or co-incineration plants or processed in biogas/composting facilities. Disposing of straw-based building materials at landfill sites is not permitted in Germany.

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Logistics

Panel thickness [mm]	Panels per pallet	m^2 per pallet
10	10	50
20	120	60
30	88	44

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	
Reaction to fire	DIN EN 13501:B2
Panel size	1000 x 500 mm
Thickness	10/22/30 mm ± approx. 2 mm
Thermal conductivity	0.056 W/(m·K)
Bulk density	10 mm = 350 kg/m^3 ± 15 % 22 mm = 260 kg/m^3 ± 15 %
Dynamic stiffness	10 mm: 75 MN/m^3 22 mm: 34 MN/m^3 30 mm: 104 MN/m^3
Compressibility	10 mm: 2 kPa – 0.4 mm 22 mm: 2 kPa – 1.0 mm 30 mm: 2 kPa – 1.0 mm

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