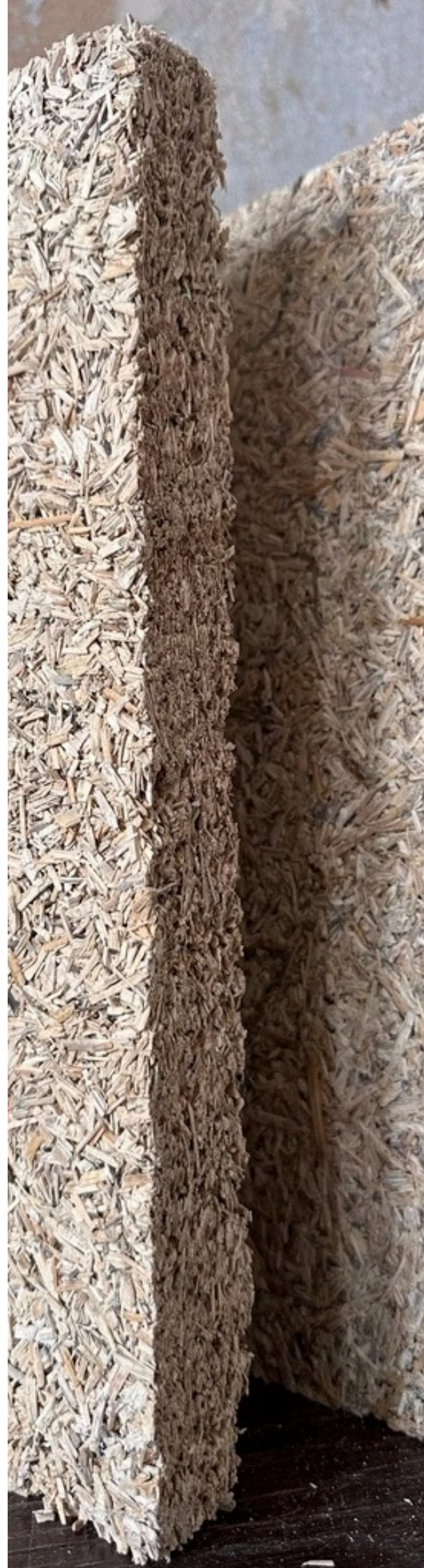


Datasheet

Hemplith® Mineralboard



Product Description & Applications

1. Product Description

Hemplith Mineralboard is a fully ecological, vapor-permeable drywall panel for interior use. It consists of **hemp shives** (an annually renewable raw material) and **mineral binders**.

The panel serves as:

- Wall and ceiling element
- Plaster carrier board
- Moisture-regulating layer
- Thermal and sound insulation component
- Fire-resistant building board
- Renovation board, especially for **mold remediation**

2. Application Areas

- Drywall construction (walls, ceilings, sloped surfaces, interior finishing)
- Attic conversion
- Timber beam ceilings (undersides and infill panels)
- Renovations and old building refurbishments
- Plaster carrier for lime and clay plasters
- Moisture-active interior insulation
- Mold remediation on mineral substrates

Drywall Installation

• Substrate Preparation

- Load-bearing, clean substrate
- Completely remove loose old coats of paint, dispersions, oil, or latex paints
- Level uneven areas with mineral mortars (e.g., lime or clay plaster)
- Prime highly absorbent substrates if necessary (vapor-permeable)

• Substructure

- Metal or timber studs according to drywall guidelines
- **Stud spacing walls:** max. **40 cm**
- **Stud spacing ceilings/slopes:** max. **30 cm**
- Joints must **not** overlap on the same stud (install in a staggered pattern)
- If a joint ends freely between two studs: → Support with a wooden strip, screw to both boards

• Installation / Fastening

Staggered Installation

- Arrange boards with an **offset** (≥ 30 cm)
- Form room corners with interlocking joints
- Align butt joints precisely

Screwing

- **Walls:** 9 fastening points per board
- **Ceilings/Sloping roofs:** 12 fastening points per board
- Screws flush or countersunk by 1–2 mm
- Optional: Insulation or washer plates (35 mm) at joints

• Plaster Build-up in Drywall

Joint Treatment

- Apply fabric strips to joints
- Brush in with slurry of the finish plaster
- No double fabric layers

Base coat / Finish coat

- Slightly moisten substrate
- Full-surface application of finish plaster 2–3 mm
- Optional: full-surface reinforcement with fiberglass, jute, or natural fabric
- Surface as desired: → rubbed, felted, structured, or smoothed

Final Coating

- After drying: → vapor-permeable finish plasters (lime, clay) → vapor-permeable paints
- **Not permitted:** Dispersion paints, latex paints, wallpapers, dense coatings

Processing in Mold Remediation

4.1 Substrate Preparation

- Remove mold infestation according to applicable standards
- Substrate must be load-bearing, clean, and free of old coatings
- Level unevenness with mineral mortar (e.g., lime plaster)
- Roughen the surface
- Highly absorbent substrates: open-pore bonding primer

4.2 Bonding

- Full-surface application of an open-pore reinforcement or adhesive mortar
- Apply with an **8–10 mm notched trowel**
- Adhesive can be applied to the wall or panel
- Install panels tightly butted in a staggered pattern
- Keep edge joints **free of adhesive**
- Press panels firmly with the entire hand
- Interlock in room corners
- Panel offset min. 30 cm

Cutting & Storage

5. Cutting

Suitable tools:

- Jigsaw
- Hand saw
- Circular saw
- Band saw

Dust generation low to moderate; standard extraction sufficient.

Additional securing (ceiling):

Screws with washers, min. 20 mm edge distance

4.3 Reinforcement & Finish Coating

Reinforcement not mandatory, but recommended in:

- high-traffic areas
- hallways
- children's rooms

Materials: Jute fabric, fiberglass, natural fabric

After 12–24 h drying (depending on temperature & humidity):

- Thin-layer, open-pore finish plasters (lime, clay)
- Use edge protection on highly stressed corners

6. Storage

- Store horizontally and dry
- On firm, even surfaces
- In ventilated rooms
- Unlimited shelf life when stored dry
- Protect from ground moisture

Technical Data

Hemplith® Mineralboard

Properties	Standard	30mm	20mm	Unit
Dimensions	DIN EN 822 DIN EN 823	1200 x 600*	1200 x 600*	mm
Gross Density	DIN EN 1602	approx. 400	approx. 400	kg/m ³
Thickness Swelling	DIN EN 1604	0.9	0.7	%
Thermal Conductivity	DIN EN 12667	0.069	0.069	W/(m*K)
Fire Behavior	DIN EN 13501	B-s1,d0	B-s1,d0	Class
Tensile Strength	DIN EN 1607	74	118	kPa
Moisture Content at 23°C & 80% RH	DIN EN ISO 12571	24.2	30.7	%
Water Vapor Permeability	DIN EN 12086	0.06	0.03	m
Water Vapor Diffusion Resistance Factor	DIN EN 12086	2.1	1.8	μ
Formaldehyde	AgBB 02/2015, VVOC-,VOC, SVOC-Emission	A+	A+	Category
Airborne Sound Insulation	DIN EN ISO 10140-2	5.2 dB ±1.2 dB		Rw

* other formats on request

HEMPLITH® Mineralboard:

The HEMPLITH Mineralboard offers a high-performance and ecological alternative to a variety of conventional building and insulation materials. The following outlines which products can be replaced by the HEMPLITH Mineralboard and what specific advantages it offers in the respective application areas.

3. Calcium Silicate Boards (CaSi)

Special boards for mold remediation, interior insulation, and moisture regulation.

HEMPLITH Advantage:

- Less brittle and easier to handle
- Simpler installation and more ecological

5. Wood Wool Boards / Wood Wool Lightweight Boards (Heraklith)

Serve as plaster bases and ceiling cladding.

HEMPLITH Advantage:

- More homogeneous, smoother, and better plaster base
- Higher fire protection

7. Clay Building Boards

Products in the field of ecological drywall construction.

HEMPLITH Advantage:

- Lighter and faster to install
- More cost-effective for large areas

10. Mold Remediation Boards from all Manufacturers

Products from Remmers, Keim, Sto, Knauf, and others for targeted mold remediation.

HEMPLITH Advantage:

- Same effect, but more natural and pleasant to process

11. Plaster Base Boards of all Types

Special boards for sloped roofs, ceilings, and timber beam ceilings.

HEMPLITH Advantage:

- Better plaster adhesion
- More effective moisture regulation

re:place it

The HEMPLITH Mineralboard combines numerous positive properties in one product, making it a superior choice for builders and craftsmen who value ecology, efficiency, and a healthy indoor climate. It offers not only technical advantages but also a more pleasant and safer processing experience compared to many traditional materials.

1

CO² Storage

high edge stability

2

Air Humidity

regulates air humidity (45% - 55%)

3

Plaster Base

rough and oven-porous surface on both sides for perfect plaster adhesion

4

Indoor Climate

very high moisture compensation, high sorption capacity, optimal indoor climate regulation

5

Air Quality

neutralizes air pollutants and absorbs odors

Hazard Warnings

None

Certificates

Formaldehyde/AgBB K 8156FM - Cert Fire Behavior K-2301/111/19-MPA BS Mold Fungus K 8892 FM Stiffness PB 2.3/19-375-3 Airborne Sound Insulation PB 4.2/19-375-2 Sound Absorption Coefficient PB 2.3/19-375-1

Summary

- formaldehyde-free
- flame-retardant
- mold-resistant
- water-resistant
- recyclable
- easy processing

Technical Information – As of September 2025

This technical information has been compiled based on the latest state of the art and our experience. Due to the variety of substrates and project conditions, the buyer/user is not relieved of their duty to professionally and appropriately test the materials for their suitability for the intended purpose.



von Hanf Handels GmbH & Co.KG

Fraunhoferstr 3
D-25524 Itzehoe
Germany

Warehouse: Holstenstr. 73, D-25560 Schenefeld

Contact:

Phone: +49 (0)4893 2540483

E-Mail: info@vonhanf.de

Web: www.vonhanf.de

[Click here](#)



 von Hanf



von Hanf – Hanfsteine, Hanfb...

nachhaltig und klimaneutral bauen
– wohngesund leben. Hanfsteine /...

