

Datasheet
HEMPLITH® DRYWALL



Product Description

HEMPLITH® Drywall is an **ecological, vapor-permeable drywall panel** made from cleaned hemp hurds and a formaldehyde-free binder. The panel is dimensionally stable, capillary-active, and intended for wall and ceiling linings in interior construction. The natural fiber structure ensures good acoustic damping and a moisture-regulating, healthy indoor climate.

Material Composition

Hemp Hurds Cleaned and dried	Formaldehyde-free Binder VOC-free
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Areas of Application

- Interior walls / non-load-bearing partitions
- Wall and ceiling linings
- Attic and timber beam ceiling refurbishment
- Render carrier board (clay, lime)
- Renovation of moisture-sensitive interior spaces (no wet rooms)
- Alternative to: Gypsum plasterboard, OSB, particle boards, wood fiber boards

Product Advantages

Vapor-permeable & Capillary-active	Dimensionally Stable and Ultralight	Robust & Resilient
CO₂-sequestering	Formaldehyde-free Bonded	Easy Processing



Installation

01

Framing

- Suitable for wood and metal studs
- Center distance: **30–60 cm**

02

Fastening

- Screw with coarse-thread drywall or wood screws
- Screw spacing: **20–25 cm**
- Nailing/stapling also possible with wood studs

03

Cutting

Tools like for OSB/wood fiber:

- Circular saw
- Jigsaw
- Table saw

04

Joints & Surfaces

- Fill joints
- Optional joint reinforcement
- Plaster (clay/lime)
- Paint
- Wallpaper

Storage & Transport

Store dry and flat

Protect from moisture

Transport horizontally

Ecology & Disposal

- Biogenic CO₂ storage through hemp shives
- Formaldehyde-free binder
- Fully recyclable (material recycling possible)
- Free of gypsum, cement, pollutants

Formats

Article	Format mm	Thickn ess mm	Pcs./ Pallet	m ² / Pallet	kg/m ²	kg/ Pallet
Hemplith Drywall	800 x 1200	30	33	31.68	9.60	304
Hemplith Drywall	800 x 1200	18	63	62.84	5.30	304

Typical Replacement Products

- Gypsum plasterboards
- OSB panels
- Wood fiberboards
- Render carrier boards for ecological interior construction
- Particleboards

Technical Properties

Technical Properties	Value
Density	ca. 320 kg/m ³
Thermal Capacity C	2100 J/(kg*K)
Short-term Water Absorption	< 1kg/m ²
Swelling after 24h	< 1-2%
Flexural Strength	1,4N/mm ²
Modulus of Elasticity E	140N/mm ²
Fire Class	E (preliminary) C is being tested.
Water Vapor Diffusion Resistance Factor μ	5

Technical Information – As of July 2023

These technical specifications have been compiled based on the latest state of the art and our experience. Due to the variety of substrates and object conditions, the buyer/user is not relieved of their obligation to professionally and properly test the materials for their suitability for the intended purpose.



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