



Technical Data Sheet

Hemplith® Aquaboard

The Hemplith® Aquaboard is an environmentally friendly, healthy indoor climate-contributing, formaldehyde-free, and fire-retardant building board for interior applications, suitable for cladding interior and partition walls, roof surfaces, dry linings, and ceilings. It is composed of hemp (annually renewable raw materials) and minerals.

APPLICATION

The Hemplith® Aquaboard is an environmentally friendly, healthy living, and formaldehyde-free building board for interior use, designed for cladding interior and partition walls, roof surfaces, furring, and ceiling areas. It is composed of hemp (annually renewable raw materials) and minerals. Its application is as a non-load-bearing cladding panel (plaster/paint substrate) and it is particularly suitable for interior finishing in damp rooms such as bathrooms.

Environmentally Friendly

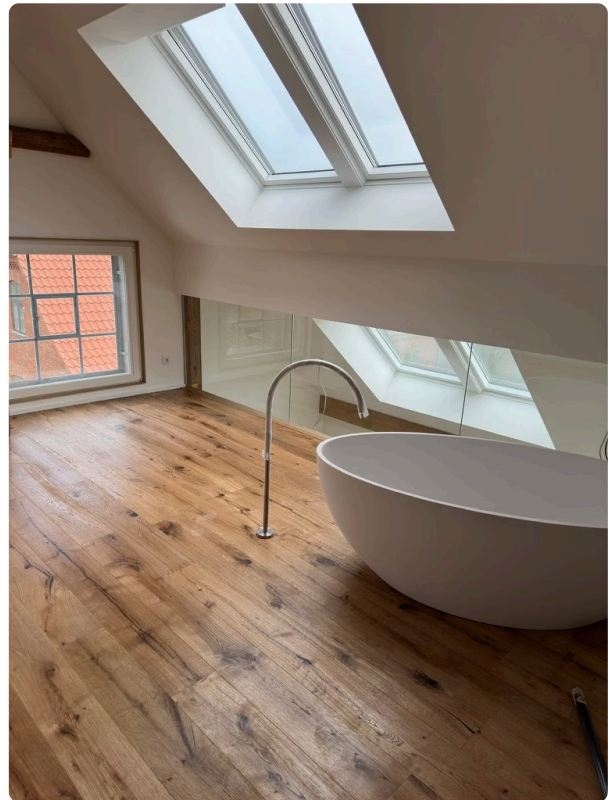
Made from annually renewable raw materials and minerals

Healthy Indoor Climate

Formaldehyde-free and suitable for damp rooms

Versatile

For walls, roofs, furring, and ceiling areas



PROCESSING

Substrate/Pre-treatment

The substrate must be load-bearing, dry, clean, and dust-free. Existing unevenness or protrusions should be leveled. Loose old coatings must be removed.

Substructure

The substructure is erected using conventional techniques for drywall construction.

- Wall area: max. stud spacing 60 cm
- Ceilings and roof slopes: max. stud spacing 40 cm

Installation

The Hemplith® Aquaboard is installed across the entire surface and tightly butted:

- Adhesive bonding: After applying diffusion-open reinforcement mortar to existing walls/ceilings
- Screwing: To timber stud frames with commercially available drywall screws

Fastening

- Pre-drill edges
- Install in a staggered pattern (vertical joints not stacked)
- For board joints in the stud interspace: back with wooden strips and screw
- Wall area: 9 fastening points per board
- Ceilings/roof slopes: 12 fastening points with washers
- Screws flush, maximum 1-2 mm countersunk

Cutting

Processing with conventional processing machines and commercially available tools for drywall construction.

Notes

- Handle boards according to the pictogram (included with delivery)
- Do not process in wet condition
- Unlimited shelf life when stored dry
- Processors are obliged to check suitability for the intended purpose

TECHNICAL DATA

Properties	Standard	Value	Unit
Dimensions		1200 x 800*	mm
Panel thickness		19	mm
Surface finish		sanded	
Thickness uniformity sanded	EN 300	±0.3	mm
Raw density	DIN EN 323	approx. 580	kg/m ³
Thickness swelling	DIN EN 317	0.29	%
Edge profile		square	
Length change	EN 300	±0.3	mm
Perpendicularity	EN 300	±0.3	mm
Thermal conductivity	DIN EN 12664	0.115	W/(m*K)
Fire behavior	DIN EN 13501-1	B-s1,d0	Class
Transverse tensile strength	EN 319	0.32	N/mm ²
Formaldehyde	AgBB 02/2015, VVOC-, VOC, SVOC-Emission	A+	Category
Moisture content at 23°C and 80% rel. humidity	DIN EN ISO 12571	30.7	%
Water vapor permeability sd	DIN EN 12086	0.10	m
Water vapor diffusion resistance factor	DIN EN 12086	5.3	μ

* other formats on request

CERTIFICATES

- Formaldehyde/AgBB K 8158 FM - Cert
- Fire behavior K-2301/185/19-MPA BS
- Mold K 8892 FM

Important Notes

Technical Information – As of August 2025

These technical specifications have 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 released from their obligation to professionally and properly test the materials for their suitability for the intended purpose.

SUMMARY

Product Characteristics

- formaldehyde-free
- flame-retardant
- mold-resistant
- water-resistant
- recyclable
- easy processing
- CO2 storage
- high edge stability

Indoor Climate & Comfort

- regulates air humidity (45% - 55%)
 - rough and open-pored surface on both sides
 - for perfect plaster adhesion
 - very high moisture balance
 - high sorption capacity
 - optimal indoor climate regulation
 - neutralizes air pollutants and
 - absorbs odors
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