CANABLOC® HEMPCRETE

TECHNICAL DATA SHEET

Composition

CANABLOC® hemp-lime block is a purely natural and eco-friendly building material, composed of the natural and renewable raw materials hemp and natural lime.

Production

The product is produced by mixing hemp shiv (hemp hurds) with natural lime and water. Hardening occurs naturally through air drying.

Binder

Naturally hydraulic lime according to EN 459-1, derived from selected shell limestone.

Properties

- Cement-free
- Vapour-permeable and capillary-active
- Lightweight and thermally insulating
- Moisture-regulating
- Fully biodegradable
- High sound absorption capacity
- Fire-resistant

Applications

Suitable for:

- Half-timbered construction
- Ecological residential and commercial building
- Restoration and renovation of historical buildings

Note: CANABLOC® hemp-lime blocks are non-load-bearing and do not contribute to structural support.

Processing

CANABLOC® blocks are installed using mortar based on naturally hydraulic lime.

Delivery Formats

Available in sizes:

NF / 1.25 NF / 2 NF / 2 DF / 3 DF / 5 DF / 7 DF / 8 DF / 12 DF (tongue and groove)

Delivered on reusable wooden pallets (96 cm × 96 cm, pallet jack compatible)

Storage

Store dry to maintain product quality.

Technical Specifications

Property	Value
Bulk density	0.30 kg/dm^3
Thermal conductivity (lambda)	0.075 W/mK
Water absorption/discharge	Capillary action
Water vapour diffusion resistance mu	2.0
Sd-value*	0.23 m (*at 11.5 cm wall thickness)
Compressive strength	0.6 N/mm^2
Compressive stress	200 kPa
Fire performance	Class B-s1,d0
Sound absorption coefficient	alpha_w = 0.80

Quality Control

The production of CANABLOC® is subject to technical supervision by the Materials Testing and Research Institute in Neuwied, Germany.

MPVA Neuwied
Materialprüfungs- und Versuchsanstalt Neuwied