

CANABLOC® HEMP INSULATION FILL

TECHNICAL DATA SHEET

Composition

CANABLOC® hemp insulation fill is a blend of hemp shiv and natural hydraulic lime (NHL).

Binder

Natural hydraulic lime according to EN 459-1.

Properties

- Cement-free
- Vapour-permeable and capillary-active
- Lightweight and thermally insulating
- Moisture-regulating
- Fully biodegradable
- Low modulus of elasticity
- Fire-resistant

Application

Used in half-timbered construction, ecological residential and housing construction, and in the restoration and renovation of buildings.

CANABLOC® hemp insulation fill is applied as:

- Filling between floor beams or joists
- Filling between an existing wall and CANABLOC® masonry

Structural Note

CANABLOC® hemp insulation fill is non-load-bearing and does not contribute to structural strength.

Processing

CANABLOC® hemp insulation fill is installed manually. It should be applied in layers in a damp (earth-moist) state and lightly compacted, e.g., using a wooden tamper.

Technical Data

- Bulk density: 0.35 kg/dm³
- Thermal conductivity (lambda): 0.075 W/mK
- Water absorption/release: via capillary action

Storage

Store dry and protected from moisture.

Shelf life: 6 months

Delivery

CANABLOC® hemp insulation fill is supplied in Big Bags (e.g. Internal Dimensions 66x66x95).

Delivery in paper or jute sacks available on request.

Quality Control

The production of CANABLOC® products is technically supervised by the Materials Testing and Research Institute in Neuwied (Germany).

