Hemp insulation board

Low carbon insulation solution

Description
- Rigid panel for internal or external insulation
- Innovative bio-based binder
- Substrate for plasters and renders
- 50mm thickness
- Tongue and groove system for easy installation

Benefits
- Low embodied energy
- Eco-friendly bio-binder
- Low thermal conductivity
- Moisture buffering
- Sequesters carbon
- Full valorisation of hemp plant

Enquiries:
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www.cavac-biomateriaux.com
Hemp-lime plasters and renders

Durable finishing layer

**Description**
- Incorporates hemp aggregates
- Internal or external use
- Easy application by spraying
- Can be applied to old or new substrates
- Adheres well to bio-based substrates

**Benefits**
- Hemp sequesters carbon
- Low embodied energy
- Water resistant
- Decorative finishing layer
- Regulates temperature and humidity
Novel clay plasters

Finishing layer for healthy interiors

**Description**
- Ready to use mixtures
- Incorporate hemp aggregates
- For internal use
- Up to 15mm thickness per layer
- Can be combined with coloured finishing plaster

**Benefits**
- Fire protection layer for bio-based substrates
- Sequesters carbon
- Very low embodied energy
- Improves indoor air quality
- Regulates humidity
- Can be re-plasticised for easy repair or reuse

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New build wall panel

Carbon negative construction

**Elements**
- Hemp-lime render
- Rigid hemp insulation board
- Hemp fibre insulation between timber studs
- OSB panel
- Vapour control & airtight membrane
- Hemp fibre insulation between timber battens
- Compressed Straw Board
- Clay plaster

**Benefits**
- Highly insulating
- Low embodied energy
- Sequesters carbon
- Moisture buffering

Thickness: 332mm
U-value: 0.17 W/m2K

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Combining natural materials

**Elements**
- Clay mortar
- Rigid hemp insulation board
- Compressed Straw Board
- Clay plaster

**Benefits**
- Highly insulating
- Easy fixing to existing wall
- Moisture buffering
- Improves indoor air quality
- Sequesters carbon

**Thickness:** 108mm
External retrofitting system

Natural renovation solution

Elements
- Hemp fibre insulation between timber studs
- Rigid hemp insulation board
- Hemp-lime render

Benefits
- Highly insulating
- Fire resistant
- Water resistant
- Easy fixing
- Sequesters carbon

Thickness: 220mm

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