

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:

v.colson@cavac.fr

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

Enquiries:

ronelvy.nivesse@lhoist.com
www.bcb-tradical.com

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

Enquiries:

m.lemke@claytec.com
www.claytec.com

CLAYTEC
Baustoffe aus Lehm.

New build wall panel

Carbon negative construction

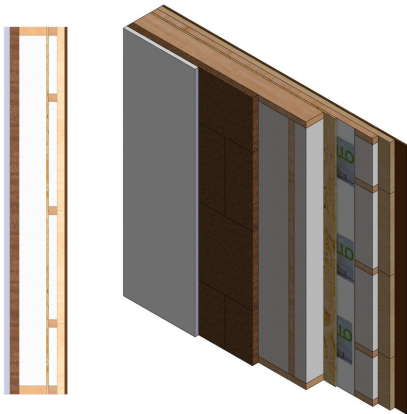
Elements

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

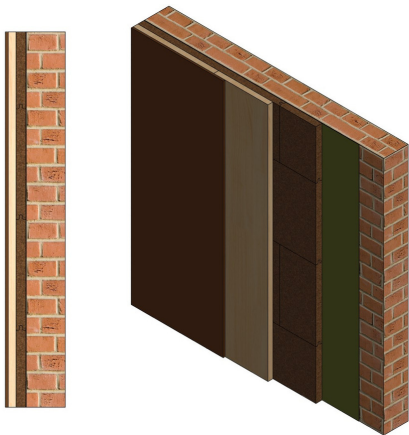
Thickness: 332mm
U-value: 0.17 W/m²K



Enquiries:

patricio.moreno.montero@acciona.com
www.acciona-construccion.com

Internal retrofitting system



Combining natural materials

Elements

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

Benefits

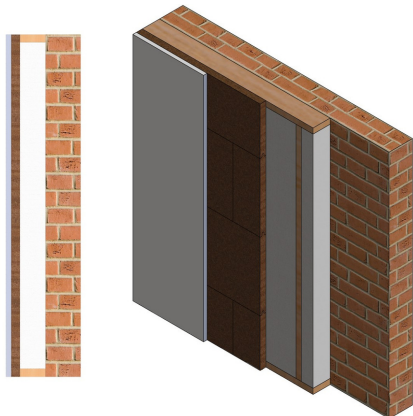
- Highly insulating
- Easy fixing to existing wall
- Moisture buffering
- Improves indoor air quality
- Sequesters carbon

Thickness: 108mm

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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

Enquiries:

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