



# UNILYS

## Single-layer lime plaster hemp covering

UNILYS is a ready-to-use single-layer mineral coating, specifically formulated for covering hempcrete. Made from natural hydraulic lime, it offers excellent compatibility with bio-based materials, in particular high-porosity substrates such as hempcrete

### Properties

-Optimal breathability: Allows walls to naturally regulate humidity and prevent condensation problems.

Natural aesthetics: the range of colours gives a unique and authentic finish.

Bio-based material compatible: Formulated specifically for application to bio-based materials

Versatility: Easy to apply, with a pleasant texture that adapts to various indoor and outdoor substrates.

### Packaging

25kg bag – 48 bags/pallet

### Related products

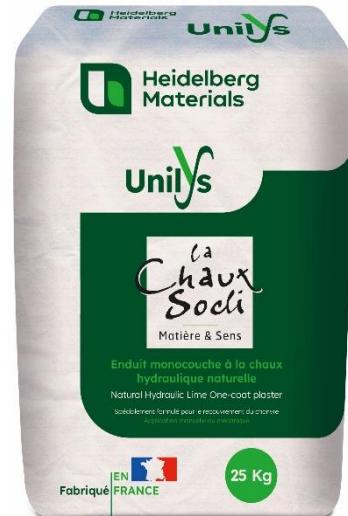
Socli Hempcrete Solutions

CENT% SOUS ENDUIT

Site formulation with Socli lime

### Shelf Life

12 months from the date of manufacture



**25kg**

*la*  
**Chaux**  
*Socli*  
Matière & Sens



### Advantages

- Indoor and outdoor
- Excellent water vapour permeability
- Regulates humidity
- Flexible on application, with a smooth and homogeneous finish
- Suitable for restoration and renovation
- Manual processing, coating machine

## Reference documents

- DTU 26.1 (coated)
- CE EN 998-1 Type OC1 Class CS I

## Matériel

- Spraying machine
- Throwing pot
- Concrete mixer
- Mixer
- Ruler, plastering knife, smoothing trowel, trowel, and sponge
- Sprayer for moistening the substrate or for smoothing

## Uses

- Manual and mechanical application
- Plasters on natural or old substrates (D.T.U. 26.1)

## Implementation

Preliminary humidification is essential before applying the plaster. This should be done about 30 minutes before application, using a jet of water, without excess to avoid saturation. It can be repeated during the course of work if necessary.

Mechanically mix the mortar, adjusting the amount of water to obtain a homogeneous and flexible paste. The water pressure for the jacket feed must be set between:

First coat: apply a thickness of 8 to 12 mm in which a fiberglass grid (10 x 10 mm mesh) will be integrated. The weft strips must be covered by at least 10 cm horizontally and vertically. Additional reinforcements (handkerchiefs) will be placed at singular points

Second coat: to be sprayed once the first coat begins to harden, not to exceed 24 hours. It should also be 8 to 12 mm thick.

If the application is postponed to the next day, the first coat should be scratched with a notched ruler to ensure good adhesion.

The final thickness of the plaster, after all finishes, should be between 15 and 20 mm.

## Supports admissibles

Bio-based concrete supports made from hemp, wood, flax, rapeseed or other plant materials.

## Supports non admis

Plaster-based supports

## Assistance technique

At the start of the construction site  
Training

## Conditionnement

25kg bag

## Dosages and

consumption

Consumption 16 kg/m<sup>2</sup>/cm thickness

Water dosage: 5 to 5.25 L /bag

## Performances

Resistance of mortar to  
compression: OC1 CS I

## Performance Chart

	Units	Average Features*
Air occlus	%	29
Bulk density of fresh mortar	Kg/m <sup>3</sup>	1680
Mechanical resistance at 28 days	Classe	CS I
Capillary absorption	-	W0
Modulus of elasticity	GPA	6,1
Consumption	Kg/m <sup>2</sup> /cm	16
Water requirement	L/sac	5 à 5,25