

# Chanvribat®

## Hemp for Tradical® Hempcretes and Tradical® Hygrothermal Renders



### Characteristics of Chanvribat®

Hemp content: 100%
Mass density: 100 kg/m <sup>3</sup> Particle size distribution: constant
Dust level < 4%
Moisture content of straw before processing < 19%
Colour < beige

The Chanvribat® range includes:

#### Tradical® Hempcretes

- Tradical® PF 70
- Tradical® Thermo
- Tradical® PF 80 M
- Tradical® Bâtir
- Chanvribat®
- Tradical® Premium

### Definition

Chanvribat® is used to make hygrothermal renders and insulating concretes using Tradical® PF 80 M or Bâtir, and Tradical® PF 70 or Thermo, with Lime + Hemp Aggregate blends that comply with the French Professional Rules for the Construction of Hempcrete Structures. The mix proportions are prepared in line with the Tradical® Hempcretes brochure, according to the type of structure used.

### Identification

Chanvribat® is *Granulat Chanvre Bâtiment* certified. It is a plant-based material made from raw hurds\*, which—once verified as complying with strict specifications—can be used in the building sector as insulation and construction material.

(\*): Hurds: fragments from the hemp plant's stems and stalk after the fibres have been removed

### Areas of use

Chanvribat® is designed for producing Tradical® Hempcretes: insulating walls, insulating lining, insulating roofs, insulating screeds and hygrothermal renders, for brand-new constructions or renovations of all kinds: houses, apartment buildings, public and tertiary buildings, and more.

## → POSSIBLE STRUCTURES

### Insulating walls

- CHANVRIBAT® + TRADICAL® THERMO or PF 70 enables you to fill and insulate timber-framed walls. It can be used to completely coat the timber structure or leave one side exposed. It is especially suitable for renovating half-timbered houses instead of using cob. Its high permeability to water vapour continuously regulates the humidity of the timber elements.

### Insulating lining

- CHANVRIBAT® + TRADICAL® THERMO or PF 70 enables you to provide insulating linings for partition and interior wall masonry, whether old or new, even for heterogeneous and mineral-based material—combining inertia, comfort in summer and winter, moisture control and thermal performance.

### Insulating floors

- CHANVRIBAT® + TRADICAL® THERMO or PF 70 enables you to cast insulating material with a very low mass density for all types of floor.

### Insulating roofs and unused roof space

- CHANVRIBAT® + TRADICAL® THERMO or PF 70 enables you to provide thermal insulation with a high degree of inertia. It guarantees durability by preventing any risk of the insulating material settling and any risk of damage by pests.

### Hygrothermal renders

- CHANVRIBAT® + TRADICAL® Bâtir or PF 80 M enables you to prepare renders with insulating properties, for indoor and outdoor purposes, on all kinds of mineral substrates.

## → PREPARING THE SUBSTRATES AND STRUCTURES

In compliance with

- the specifications of the French Professional Rules for the Construction of Hempcrete Structures
- French Building Code (NF DTU) relevant to the type of structure concerned
- and the Tradical® Hempcretes brochure

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### → APPLICATION

In accordance with the procedures described in the Tradical® Hempcretes brochure and in line with the French Professional Rules

**'Granulat Chanvre Bâtiment' label**

Chanvribat® is especially suited to building works and has been certified as a 'building hemp'



**Lime + aggregate blends approved by the Construire en Chanvre association**

The *Construire en Chanvre* association has approved Chanvribat® + Tradical® PF 70 and Chanvribat® + Tradical® PF 80 M blends as meeting the threshold performances measured in certified external laboratories, as required by the French Professional Rules.

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- Chanvribat®
- Tradical® Premium

### Usage

Application	Bags of Tradical® THERMO	Bags of Chanvribat®	Lime mixed at	Mass density
<b>Wall and lining</b> (between shuttering panels or between shuttering panel and wall, mechanical projection)	2	1	180 kg/m <sup>3</sup>	280 kg/m <sup>3</sup>
<b>Lining</b> (trowel application)	3	1	270 kg/m <sup>3</sup>	370 kg/m <sup>3</sup>
<b>Floor</b>	2.5	1	225 kg/m <sup>3</sup>	325 kg/m <sup>3</sup>
<b>Roof and unused roof space</b>	1	1	90 kg/m <sup>3</sup>	190 kg/m <sup>3</sup>

Application	Bags of Tradical® PF 70	Bags of Chanvribat®	Lime mixed at	Mass density
<b>Wall and lining</b> (between shuttering panels or between shuttering panel and wall, mechanical projection)	2	1	220 kg/m <sup>3</sup>	320 kg/m <sup>3</sup>
<b>Lining</b> (trowel application)	3	1	330 kg/m <sup>3</sup>	430 kg/m <sup>3</sup>
<b>Floor</b>	2.5	1	275 kg/m <sup>3</sup>	375 kg/m <sup>3</sup>
<b>Roof and unused roof space</b>	1	1	110 kg/m <sup>3</sup>	210 kg/m <sup>3</sup>

Applying hygrothermal renders	Bags of Tradical®	Bags of Chanvribat®	Lime mixed at	Mass density
<b>Creamy texture</b>	5.5 bags Tradical® PF 80 M	1	825 kg/m <sup>3</sup>	925 kg/m <sup>3</sup>
<b>Standard texture</b>	4 bags Tradical® Bâtir	1	400 kg/m <sup>3</sup>	500 kg/m <sup>3</sup>

### → IMPORTANT

**Finish for insulating walls / insulating lining / insulating screeds**  
Refer to the Tradical® Thermo or PF 70 technical data sheets

### Wall base / Saltpetre

Refer to the Tradical® Thermo or PF 70 and PZ technical data sheets

### Atmospheric conditions

Apply at a temperature of between +5°C and +30°C.

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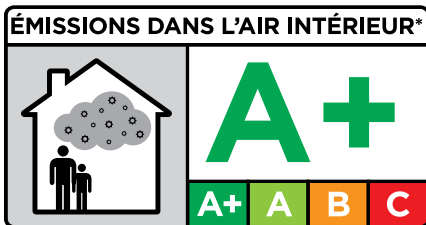
### → GENERAL INFORMATION

#### Qualifications

Only qualified persons with sound knowledge of hempcretes or persons who have passed the BETONS DE CHANVRE module in the BCB training programme may use Chanvribat®.

#### Certificate of Air Quality for Chanvribat®

**A+** certification, Eurofins no. G15614



\*Data on volatile substances present in the indoor air with a risk of toxicity by inhalation rated on a scale from A+ (very low emissions) to C (high emissions).

#### See also

- Tradical® brochures and technical data sheets
- French Professional Rules for the Construction of Hempcrete Structures
- Specifications
- Relevant French Building Code (NF DTU)

#### Packaging and storage

Chanvribat® comes in a 20 kg bag and can be stored for 1 year away from moisture.

#### Testing

According to the Chanvre Bâtiment label.

#### Guarantee

Within the scope of the company's civil liability insurance.

Manufacturer's civil liability, SMABTP

contract: ALPHA-BAT Fabricants no. 512806 E 1004.000

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