

# CLASSIFICATION of Lime and Hemp

## Accredited Hemp/Lime blends

Test reports concerning the mechanical characteristics of hempcretes and hemp renders

### Roof insulation

- CRDA test no. 2015-05-02 report: BCB Tradical® THERMO+Chanvribat® roof dated 02/06/2015
- ENTPE report dated 05/06/2013: Tradical® PF 70 + Chanvribat® roof

### Floor Insulation

- CRDA test no. 2013-18 report: BCB Tradical® Thermo+Chanvribat® screed formula dated 10/07/2014
- ENTPE report dated 05/06/2013: Tradical® PF 70 + Chanvribat® screed

### Wall Application

- CRDA test no. 2015-05-02 report: BCB Tradical® Thermo+Chanvribat® wall dated 02/06/2015
- ENTPE report dated 05/06/2013: Tradical® PF 70 + Chanvribat® wall

### Render Application

- CRDA test no. 2013-17 report: BCB-Eurochanvre Tradical® Thermo+Chanvribat® render formula dated 04/12/2013
- CRDA test no. 2014-07-02 report: BCB Tradical® Bâtir+Chanvribat® render formula dated 14/11/2014

## Guarantee

The product blends used to prepare Tradical® Hempcretes presented in this document have successfully met the tests required by the French Professional Rules for the Construction of Hempcrete Structures:

- Insulating wall
- Floor insulation
- Hemp render
- Roof insulation

Users can benefit from all the guarantees that apply within the scope of this text and the company's civil liability insurance, and must contact their insurance company about this matter.

Manufacturer's civil liability, SMABTP contract:  
ALPHA-BAT Fabricants no. 512806 E 1004.000



	Hempcrete range			Hemp render range	
	Tradical® PF 70	Tradical® THERMO	Chanvribat®	Tradical® PF 80 M	Tradical® Bâtir
<b>Product description</b>	<ul style="list-style-type: none"> <li>• Class FL A 3.5 air lime according to standard NF EN 459.</li> <li>• Lime for standard Tradical® Hempcrete applications</li> </ul>	<ul style="list-style-type: none"> <li>• Class FL A 3.5 air lime according to standard NF EN 459.</li> <li>• Lime for standard Tradical® Hempcrete applications</li> </ul>	<ul style="list-style-type: none"> <li>• A natural, sound, 'breathing', plant-based aggregate, which is <i>Granulat Chanvre Bâtiment</i> certified.</li> <li>• Made from hemp, an annual plant grown in France without any phytosanitary treatment.</li> <li>• Easily renewable material.</li> <li>• Manufacturing is mechanical, uses very little energy and no toxic materials.</li> </ul>	<ul style="list-style-type: none"> <li>• Formulated air lime with a mineral content enabling aggregate coating and bonding.</li> <li>• This white lime is used with Chanvribat® to prepare a hygrothermal render with a creamy finishing texture.</li> </ul>	<ul style="list-style-type: none"> <li>• Class FL A 3.5 air lime according to standard NF EN 459.</li> <li>• This white lime is used with Chanvribat® to prepare a hygrothermal render with a standard finishing texture.</li> </ul>
<b>Technical data</b>					
<b>Ingredients</b>	Air lime with 98% Ca(OH) <sub>2</sub> 80%	Air lime with 98% Ca(OH) <sub>2</sub> 75%		Mineral fillers unfired limestone [CaCO <sub>3</sub> ] with well-graded particle size distribution 35%	Air lime with 98% Ca(OH) <sub>2</sub> 80%
	Hydraulic binder 20%	Hydraulic binder 25%		TRADICAL® PF 80 binder -Air lime with à 98% of Ca(OH) <sub>2</sub> 65%	Hydraulic binder 20%
				-Hydraulic binder 16%	
<b>Apparent mass density</b>	0.65	0.56	Approx. 100 kg/m <sup>3</sup>	0.85	0.61
<b>Packaging</b>	22 kg paper bag on 50-bag pallet	18 kg paper bag on 60-bag pallet	20 kg bag = approx. 200 litres net volume (broken up)	30 kg paper bag on 40-bag pallet	20 kg paper bag on 50-bag pallet
<b>Weight of one pallet</b>	1100 kg	1080 kg	420 kg	1200 kg	1000 kg
<b>Pallet dimensions</b>	H x L x W = 150 x 90 x 110	H x L x W = 150 x 90 x 110	H x L x W = 240 x 80 x 120 cm	H x L x W = 150 x 90 x 110	H x L x W = 110 x 120 x 110
<b>Storage</b>	Unexposed and dry	Unexposed and dry	Unexposed and dry	Unexposed and dry	Unexposed and dry

