

TECHNICAL DATA SHEET HEMP HURDS Y AND HEMP LIGHT- MORTAR

Description:	Flat and extended particles of variable dimensions of 2-25 mm
Packaging:	Voluminous sacks of 20 kg (palets of 24 sacks; 0,80m x 1,20m x 2,80m)
Application range:	- like loose filling (in walls with air chamber and ceilings) - to make insulating mortars (for base floor slabs, first floor slabs, roofs, cupolas, vaults, render and plaster)
Chemical composition:	Water: 9-10% Dry material: 90-91%, of which: Total organic material: 95-98%, of which: Gross cellulose: 45-55% Lignin: 15-25% Hemicellulose: 15-20% Minerals: <ul style="list-style-type: none">- Calcium: 1,5-3%- Magnesium: 0,006-0,02%- Phosphorus: 0,2-0,5%- Potassium: 0,2-0,5%- Total nitrogen: 0,4-1%- Carbon: 487 g/kg- C/N: 46- Ashes: 2-5% PH in suspension a 10%: 7,2
Physical properties:	Mass: 100-110 kg/ m3 (according to environmental humidity) Thermal conductivity: 0,048 W/m.k Inferior calorific power: 3715 cal/ g Superior calorific power: 4055 cal/ g Absorbitive power: 210-250% (french norm NFV 19002) Absorbitive power of the mineral elements: 24meq/ 100g en bruto Capacity of water retention: 415% (test of Westinghouse)
Microbiological characteristics:	Total flora: 5760000 ufc/g Yeasts: 136000 ufc/g Anaerobic germs: 8000 ufc/g Lactic bacteria: 5700 ufc/g

Light mortars of hemp hurds and hydraulic lime, designed by CANNABRIC:

SRUCTURAL MORTAR of hemp hurds, NHL5 lime and sand
(renders and plasters, floor slabs, compacted walls, roofs, vaults, cupolas):

Mass, completely dry: **1000 kg/ m3**
Compression strength 28 days: **12kg/ cm2**
Resistance to the flexion 28 days: **6 kg/ cm2**
Thermal conductivity: **0,18 W/ m.k**

LIGHT MORTAR of hemp hurds and NHL5 lime
(filling in ceilings or walls with air chamber).
It's posible to be lightened even more with NHL3,5 lime, NHL3,5 white lime or slaked lime.

Mass, completely dry: **500 kg/ m3**
Thermal conductivity: **0,13 W/ m.k**

CANNABRIC
Cañada Ojeda, 8
E-18500 Guadix (Granada)
(0034) 958 66 33 44
(0034) 686 385 567
cannabric@cannabric.com
www.cannabric.com