

TS certified **HEMP HURDS CenC** (for construction)



Description

CANNAHABITAT and **CANNAFINO** are **hemp aggregates**, calibrated and dedusted, **resulting from the decortication of the hemp stem**, whose transformation process does not require water or solvent.

CANNAHABITAT and **CANNAFINO** have the (CenC) seal, which certifies their **suitability for hemp concrete and mortars for construction**. It is a product compatible with various limes on the market.

CANNAHABITAT and **CANNAFINO** are especially intended for **wet applications**, that is, for the **production of concrete and mortar made from hemp and natural binders such as lime**.

The proportions of hemp hurds / lime / water vary depending on the type of application (compacted walls, slabs, roofs, coatings, etc.) and its desired physical characteristics.

The formulations provided by **CANNATEKTUM** must be respected to obtain an optimal result.

Given their high porosity, concretes and mortars made with CenC hemp hurds are especially suitable for **providing comfortable, healthy spaces, free of pathologies, and with great thermal stability**, especially in regions with temperature fluctuations and environments with high relative humidity.

Hemp concretes and mortars, made with natural binders such as lime, are **suitable for both new construction and the rehabilitation of vernacular heritage** or the energy rehabilitation of buildings.

The **absence of nutrients in the hemp hurds** allows us to rule out any deterioration by rodents and insects.

CANNATEKTUM habitat and materials science, S.L.

info@cannabric.com
www.cannabric.com

(0034) 686 685 567



CANNAHABITAT (1-25 mm)



CANNAFINO (1-5 mm)

Granulometry and composition CANNAHABITAT

| | |
|-----------------------------|--|
| Representative granulometry | Ø 6,30 mm / 2,5 % Ø 3,15 mm / 32 % Ø 2 mm / 39 % Ø 1 mm / 24 % Ø 0,50 mm / 2 % |
| Raw Cellulose | 45 - 55 % |
| Lignin | 15 - 25 % |
| Hemicellulose | 15 - 25 % |

Applications CANNAHABITAT & CANNAFINO



exterior and interior compacted walls (exposed or plastered)



exterior or interior coatings for wall insulation



roof and mezzanine concretes and slabs under terraces and floors

Packaging CANNAHABITAT & CANNAFINO



Sacs: 20 kg
Palet: 21 sacs
Trailer: 33 palets

| APPLICATION | TYPES |
|--------------------|--|
| ROOFS & MEZZANINES | Insulating lightweight concrete self-supporting, moderately load-bearing or passable. |
| PLASTERS & RENDERS | Insulating coatings on interior or exteriors walls with firm, clean supports and with roughness. Fillings in stone or rammed earth walls with great damage. |

| APPLICATION | TYPES |
|-------------|--|
| WALLS | Lightweight insulating concretes for rammed walls (self-supporting or moderately load-bearing). |
| FLOORSLABS | Insulating lightweight concretes with moderate or normal mechanical function (rooms, private garages, terraces). |

Physical characteristics CANNAHABITAT (natural product whose characteristics may vary depending on environmental conditions)

| | norm | value |
|-------------------------------------|------------------------|-----------------------|
| Volumetric mass | | 110 kg/m ³ |
| Canvas thermal conductivity (λ) | EN 12667 | 0,048 |
| Fiber and powder index | | < 2 % |
| Humidity index | | < 15 % |
| PH in suspension at 10% | | 7.2 |
| Specific heat * | | 2.109 J/gK |
| Inferior calorific power | | 3.715 cal/g |
| Superior calorific power | | 4.055 cal/g |
| Absorbent power (water) | NF V19-002 | 210-250 % |
| Water retention capacity | ensayo de Westinghouse | 415 % |
| Absorbent power of mineral elements | | 24 meq/100g raw |

* tested by CANNATEKTUM