



# HEMP HURD TECHNICAL SHEET

## Thermal and Phonic

### **Use:**

Insulation of roof rafter cavities, floors. Aggregate for concrete and light insulating plaster for walls, crawlers, floors.

### **Properties:**

Good thermal and sound insulation thanks to the multitude of small channels containing air. Good hygrometric regulation capacity without loss of insulating qualities.

Lightweight, it makes it possible to produce concrete which does not overload the structures too much. These insulating concretes have the advantage of combining good insulation properties while retaining good thermal inertia. They are particularly suitable for wooden frames.

Not irritating. Biodegradable. Hemp cultivation does not require irrigation or phytosanitary treatment and respects the soil.

### **Installation:**

In mortar or concrete, the hemp hurd can absorb up to 5 times its weight in water, it is recommended to use binders such as formulated lime from Nature Fibres.

This insulation is not suitable for humid environments.

It is recommended to wear a mask and glasses for the installation of any insulation.

Respect the rules for implementing permeable walls for the proper functioning of this insulator. Installing airtightness (but not vapor tightness) improves the thermal performance of the insulation. We therefore recommend our "Transpir 110" air barrier and its accessories.

### **Storage:**

Store in dry place.

### **Technical data:**

Composition: Hemp aggregate ("wood" from the hemp stalk)

Specific Heat (c): 1950J / (kg.K)

Density (kg / m<sup>3</sup>) : 100

Thermal conductivity W / m ° C □ = 0.048

Coefficient of resistance to water vapor diffusion (μ) 1 to 2

Packaging 150l bag (about 15.6kg)

Pallet 30 bags

Fire class E

This information is given for information only, these products are not currently subject to any standard.