

## INSULATING MATERIAL



AVAILABLE IN BUCKETS OF 20L

## DESCRIPTION

**Malta di Allettamento** is a natural and highly breathable masonry mortar composed solely of thick hemp shiv, natural dolomitic binder and symbiotic microorganisms. The total absence of hydraulic binders and mineral aggregates as well as the high cellulose component maximise the breathability of the masonry and make 'Malta di Allettamento' the ideal solution for laying hemp-and-lime **Blocco Ambiente**® masonry. Highly energy-efficient, it eliminates the thermal bridges within the masonry, guarantees maximum healthiness and this results in a monolithic masonry from hemp and lime.

## USE AND APPLICATION

Ready-to-use product to be applied manually. Spread the mortar in the center of the **Blocco Ambiente**® for at least 2/3 of the surface with a thickness of about 1 cm, necessary to regularise the surface for the next course of masonry. Before proceeding with the laying of the bedding mortar, the **Blocco Ambiente**® must be wet by nebulising with clean water. Once the wall is finished, the mortar joints between the bricks can be filled and tooled. Tooling the joints allows to completely eliminate the thermal bridges generated by the bedding mortar and offers a perfect uniformity of material on which the plaster will be applied. It is possible to proceed with the realisation of the cladding for a height up to about 3m without any problem. For higher heights and low thicknesses of the **Blocco Ambiente**®, it is advisable to proceed with the laying of about 1.5-2m in height, wait for the bedding mortar to "set" and then continue.

Density - Kg/m <sup>3</sup> dry	500
Thermal Conductivity - W/mK	0,12
Vapour permeability - μ	2,7
Specific heat capacity - J/kgK	1330
Bending strength - N/mm <sup>2</sup>	0,8
Compressive strength - N/mm <sup>2</sup>	1,4
Adhesive strength to the substrate - N/mm <sup>2</sup>	0,02

## NOTE

The Tecnocanapa technical office is available for any support before, during and after the construction phase.