

HEMP BLOCK

PAL12

12 CM THICKNESS

The 12cm block meets all the insulation requirements for old building stock renovation. It insulates walls and damp partitions while retaining its insulating properties even in a very humid environment. It makes walls warmer providing high thermal insulation and a greater sense of comfort.



Advantages

-  Natural humidity control
-  Thermal inertia input
-  Quick and easy implementation
-  Significant thermal phase-shift

Technical characteristics		Value	Unit	Standard
Modular dimensions		60 x 30	cm	
Thickness		12	cm	
Number of blocks per m ²		5.5	blocks	
Maximum block weight		9,2	kg	
Dry apparent bulk density		340	kg/m ³	EN 772-13
Mortar adhesive consumption		4.7	kg/m ²	
Dry heat resistance		1.79	m ² K/W	EN 12667
Heat resistance at 50% HR		1.69	m ² K/W	EN 12667
Thermal conductivity λ		0,071	W/mK	EN 12667
Thermal phase shift		7.9	h	ISO 13786
Sound resistance index * Rw		39	dB	ISO 10140-2
Sound absorption coefficient α		0.85		EN ISO 354: 2003
Sd diffusion equivalent thickness		0.34	m	EN ISO 12572
Water vapour diffusion resistance factor μ		2.8		EN ISO 12572
Resistance to the compression		300	kPa	EN 772-1
Dimensional tolerance		+4 ; -2	mm	EN 772-16
Reaction to fire	Without plaster	B, S1, d0		NF EN 13501-1
	With plaster non-flammable	A1		NF EN 13501-1

* Hemp masonry block coated on one side - Certified value

Fields of application



INTERIOR INSULATION

12cm hemp block particularly suitable for interior insulation, in particular when it is necessary to recover the verticality of the wall and to insulate humid partitions.



INTERIOR MASONRY

Suitable for creating partition or distribution walls, the 12 cm hemp block provides excellent sound insulation between the living spaces and regulates the humidity level especially in bathroom areas.

Packaging	Value	Unit
Dimensions of a pallet	120 x 100 x 145	cm
Maximum weight of a pallet	600	kg
Number of blocks per pallet	60	blocks/pallet
Number of blocks per pallet	10.80	m ² /pallet
Number of blocks per m ²	5.5	blocks/m ²
Storage	3	months/exterior
Storage life	2	years if covered



EXTERNAL INSULATION

In an exterior application, the 12cm hemp block is used as an envelope for a timber frame or as formwork for shotcrete or as form panels.