

HEMP BLOCK

PAL09

9 CM THICKNESS

The 9cm hemp block is specially adapted for interior insulation or for assembling thin partition walls. It adds significant comfort to the home and makes it possible to insulate old brick/stone walls or damp partitions. It also delights thanks to its great sound insulation qualities in interior masonry.



Advantages

-  Resistance and heavy load-bearing capacity
-  Thermal and acoustic insulation
-  Natural humidity regulation
-  Thermal inertia input

Technical characteristics		Value	Unit	Standard
Modular dimensions		60 x 30	cm	
Thickness		9	cm	
Number of blocks per m ²		5.5	blocks	
Poids maximum d'un bloc		7,1	kg	
Dry apparent bulk density		340	kg/m ³	EN 772-13
Mortar adhesive consumption		3.6	kg/m ²	
Dry thermal resistance		1.34	m ² K/W	EN 12667
Heat resistance at 50% HR		1.27	m ² K/W	EN 12667
Thermal conductivity λ		0,071	W/mK	EN 12667
Thermal phase shift		5.9	h	ISO 13786
Sound resistance index * Rw		38	dB	ISO 10140-2
Sound absorption coefficient α		0.85		EN ISO 354: 2003
Sd diffusion equivalent thickness		0.25	m	EN ISO 12572
Water vapour diffusion resistance factor μ		2.8		EN ISO 12572
Resistance to 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 - extrapolated value

Fields of application



INTERIOR INSULATION

It is recommended for interior insulating when the verticality of the wall must be restored. If there is a visible space between both walls, it may be filled with a light mixture of lime and hemp.



INTERIOR MASONRY

Offering the possibility of creating partition or dividing walls, the 9cm block makes it possible to obtain a highly durable and acoustically insulated wall. It can hold heavy loads such as kitchen furniture or radiators.

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	78	blocks/pallet
Number of blocks per m ²	14.04	m ² /pallet
Number of blocks per m ²	5.5	blocks/m ²
Storage	3	months/exterior
Storage life	2	years if covered