

# HEMP BLOCK


PAL30


## 30 CM THICKNESS

The 30cm hemp block is the ideal product for new builds and extensions. This self-supporting insulating block can be used in association with multiple bearing solutions. It creates building envelopes and Monomur brick walls in record time. The quick and easy installation allows you to quickly close the building.




### Advantages

 Durability of the insulator and its performances

 Very large thermal phase shift (>19h)

 Summer and winter comfort

 Open to water vapour diffusion

Technical characteristics		Value	Unit	Standard
Modular dimensions		60 x 30	cm	
Thickness		30	cm	
Number of blocks per m <sup>2</sup>		5.5	blocks	
Maximum block weight		23	kg	
Dry apparent bulk density		340	kg/m <sup>3</sup>	EN 772-13
Mortar adhesive consumption		11.6	kg/m <sup>2</sup>	
Dry thermal resistance		4.5	m <sup>2</sup> K/W	EN 12667
Heat resistance at 50% HR		4.23	m <sup>2</sup> K/W	EN 12667
Thermal conductivity $\lambda$		0,071	W/mK	EN 12667
Thermal phase shift		19.7	h	ISO 13786
Sound resistance index * Rw		44	dB	ISO 10140-2
Sound absorption coefficient $\alpha$		0.85		EN ISO 354: 2003
Sd diffusion equivalent thickness		0.84	m	EN ISO 12572
Water vapour diffusion resistance factor $\mu$		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

### Field of application



#### NEW BUILD

Various construction systems can be considered:

- In wood frame houses, it constitutes the building's envelope and provides the necessary thermal inertia.
- In a wood, concrete or steel column and beam system, it enables the creation of insulated and breathable Monomur brick walls.
- In a construction with load bearing masonry, it guarantees perfectly stable insulation performance over time.

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	24	blocks/pallet
Number of m <sup>2</sup> per pallet	4.32	m <sup>2</sup> /pallet
Number of blocks per m <sup>2</sup>	5.5	blocks/m <sup>2</sup>
Storage	3	months/exterior
Storage life	2	years if covered