

30 Block – Thickness 30 cm

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
- ✓ Phase shift (>19h)
- ✓ Summer and winter comfort
- ✓ Open to water vapour diffusion

Technical characteristics		Value	Unit	Standard
Thickness		30	cm	
Modular dimensions		60 x 30	cm	
Number of blocks per m ²		5,5	blocs/m ²	
Maximum block weight		23	kg	
Bulk density when dry		340	kg/m ³	EN 772-13
Adhesive consumption		11,6	kg/m ²	
Dry thermal resistance		4,48	m ² K/W	EN 12667
Thermal resistance at 50% RH		4,23	m ² K/W	EN 12667
Thermal conductivity λ		0,071	W/mK	EN 12667
Phase shift		19,7	h	ISO 13786
Sound reduction index* Rw		42 (-1 ; -5)	dB	ISO 10140-2
Acoustic absorption coefficient α		0,85		EN ISO 354 : 2003
Equivalent air layer thickness Sd		0,84	m	EN ISO 12572
Water vapour resistance factor μ		2,8		EN ISO 12572
Compressive strength		300	kPa	EN 772-1
Dimensional tolerance		+4 ; -2	mm	EN 772-16
Reaction to fire	Without render	B, S1, d0		NF EN 13501-1
	With render	A2		NF EN 13501-1

Coated hempblok 15mm on one side – Simulated value

› FIELD OF APPLICATION



INTERIOR INSULATION

Placed in inner masonry, the 36cm block enable to reach very high standard of insulation.



EXTERIOR INSULATION

The 30 cm block is, in this application, an extremely efficient envelope of the existing building.

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 ² per pallet	4,32	m ² /pallet
Number of blocks per m ²	5,5	blocks/m ²
Storage	3	months/exterior
Storage life	2	years if covered



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.