

The hemp block.

7 Block – Thickness 7,5 cm



PAL07EX

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The 7cm block is the thinnest block in the IsoHemp range. It's ideal for insulating from the inside in small spaces. Its thickness allows for quick and easy installation, without loss of living space. It's therefore particularly suitable for insulating small rooms or technical returns. This efficient block provides good thermal inertia and natural regulation of humidity inside rooms. It's a solution suitable for brick or stone walls, damp walls as well as bay returns.

Technical characteristics

	Value	Unit	Standard
Thickness	7,5	cm	
Modular dimensions	60 x 30	cm	
Number of blocks per m ²	5,5	blocks/m ²	
Bulk density	320 +/- 10%	kg/m ³	
Maximum block weight	7,1	kg	
Weight of the masonry	0,42	kN/m ²	
Adhesive consumption	2,8	kg/m ²	
Dry thermal resistance	0,90	m ² K/W	NBN EN 1745
Thermal resistance at 50% RH	0,86	m ² K/W	NBN EN 1745
Thermal conductivity λ	0,087	W/mK	NBN EN 1745
Phase shift	4,9	h	ISO 13786
Sound reduction index* Rw	37 (0 ; -2)	dB	ISO 10140-2
Acoustic absorption coefficient α	0,85		EN ISO 354 : 2003
Equivalent air layer thickness Sd	0,21	m	EN ISO 12572
Water vapour resistance factor μ	2,8		EN ISO 12572
Compressive strength	0,2	MPa	EN 772-1
Reaction to fire	B, s1, d0		NF EN 13501-1
Resistance to fire	45	min	

* Coated hempblok 15mm on one side – Simulated value

Advantages

- Little loss of living space
- Natural humidity regulation
- The benefits of thermal inertia
- Quick and easy implementation

Packaging

	Value	Unit
Dimensions of a pallet	120 x 100 x 120	cm
Maximum weight of a pallet	621,4	kg
Number of blocks per pallet	84	blocks/pallet
Number of m ² per pallet	15,12	m ² /pallet
Number of blocks per m ²	5,5	blocks/m ²

Storage

Pallet with shelf stored outside	6 months
Open pallet and exterior wall in progress	3 months
Masonry under completed roof	1 year with a maximum of 1 winter

Applications



Interior insulation