



IsoHemp Block 7

Technical characteristics

The IsoHemp block 7 is the thinnest in the Origin range: it is particularly well-suited to specific applications and confined spaces. Its thinness allows for quick and easy installation, whilst minimising the loss of living space. It is ideal for the internal insulation of small rooms, technical recesses or window reveals. High-performance, this block provides good thermal inertia and naturally regulates the humidity in rooms. It is a solution suitable for brick or stone walls, as well as walls sensitive to moisture.

	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	367*	kg/m ³	
Maximum block weight	5,3	kg	
Weight of the masonry	0,32	kN/m ²	
Adhesive consumption	2,8	kg/m ²	
Dry thermal resistance	1,00	m ² K/W	NBN EN 1745
Thermal resistance at 50% RH	0,94	m ² K/W	NBN EN 1745
Thermal conductivity λ_{ui}	0,080	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	

* +/-10% - bulk density at delivery

** Hemp block masonry with rendering on one side - Simulated value

*** Hemp block masonry with rendering on fire side

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 (L x l x h)	120 x 100 x 120	cm
Maximum weight of a pallet	495	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

Solutions



> Syst'**HEMP**
Specific