PAL09EX

IsoHemp Block 9

Technical characteristics

The 9 cm block allows insulation from the inside with even higher thermal performance than block 7. Its thickness allows easy grooving to accommodate technical ducts. This block offers high moisture regulation, which allows it to be used to insulate old, damp walls or bay returns. From this thickness, hemp blocks also offer good sound absorption to improve the overall comfort of living rooms.

	Value	Unit	Standard
Thickness	9	cm	
Modular dimensions	60 x 30	cm	
Number of blocks per m²	5,5	blocks/m²	
Bulk density	320*	kg/m³	
Maximum block weight	5,9	kg	
Weight of the masonry	0,36	kN/m²	
Adhesive consumption	3,4	kg/m²	
Dry thermal resistance	1,34	m²K/W	NBN EN 1745
Thermal resistance at 50% RH	1,27	m²K/W	NBN EN 1745
Thermal conductivity λui	0,071	W/mK	NBN EN 1745
Phase shift	5,9	h	ISO 13786
Sound reduction index** Rw	37 (-1 ;-3)	dB	ISO 10140-2
Acoustic absorption coefficient α	0,85		EN ISO 354 : 2003
Equivalent air layer thickness Sd	0,25	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

- Thermal and acoustic insulation
- Natural humidity regulation
- Thermal inertia input
- Easy to attach objects

Solutions

› **Syst'HEMP Reno**

Packaging

	Value	Unit
Dimensions of a pallet (L x l x h)	120 x 100 x 122	cm
Maximum weight of a pallet	486	kg
Number of blocks per pallet	72	blocks/pallet
Number of m² per pallet	12,96	m²/pallet
Number of blocks per m²	5,5	blocks/m²
	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	