



9 Block – Thickness 9 cm

The hemp block

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Technical characteristics

	Value	Unit	Standard
Thickness	9	cm	
Modular dimensions	60 x 30	cm	
Number of blocks per m ²	5,5	blocks/m ²	
Maximum block weight	7,4	kg	
Bulk density when dry	340	kg/m ³	EN 772-13
Adhesive consumption	3,6	kg/m ²	
Dry thermal resistance	1,34	m ² K/W	EN 12667
Thermal resistance at 50% RH	1,27	m ² K/W	EN 12667
Phase shift λ	0,071	W/mK	EN 12667
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	0,22	MPa	EN 772-1
Reaction to fire	B, s1, d0		NF EN 13501-1

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.

* Coated hempblok 15mm on one side – Simulated value

Advantages

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

Packaging

	Value	Unit
Dimensions of a pallet	120 x 100 x 122	cm
Maximum weight of a pallet	560	kg
Number of blocks per pallet	72	blocks/pallet
Number of m ² per pallet	12,96	m ² /pallet
Number of blocks per m ²	5,5	blocks/m ²
Storage	3	months/exterior
Storage life	2	years if covered

Applications



Interior insulation



Interior walls