

# THE HEMP BLOCK

## 9 Block – Thickness 9 cm

**PAL09**

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.



### › ADVANTAGES

- ✓ Resistance and heavy load-bearing capacity
- ✓ Thermal and acoustic insulation
- ✓ Natural humidity regulation
- ✓ Thermal inertia input

### › APPLICATIONS



Interior insulation

### › TECHNICAL CHARACTERISTICS

	Value	Unit	Standard
Thickness	9	cm	
Modular dimensions	60 x 30	cm	
Number of blocks per m <sup>2</sup>	5,5	blocks/m <sup>2</sup>	
Maximum block weight	7,1	kg	
Bulk density when dry	340	kg/m <sup>3</sup>	EN 772-13
Adhesive consumption	3,6	kg/m <sup>2</sup>	
Dry thermal resistance	1,34	m <sup>2</sup> K/W	EN 12667
Thermal resistance at 50% RH	1,27	m <sup>2</sup> K/W	EN 12667
Thermal conductivity 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	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

### › PACKAGING

	Value	Unit
Dimensions of a pallet	120 x 100 x 135	cm
Maximum weight of a pallet	600	kg
Number of blocks per pallet	78	blocks/pallet
Number of m <sup>2</sup> per pallet	14,04	m <sup>2</sup> /pallet
Number of blocks per m <sup>2</sup>	5,5	blocks/m <sup>2</sup>
Storage	3	months/exterior
Storage life	2	years if covered