

THE HEMP BLOCK

25 Block – Thickness 25 cm

PAL25

The 25 cm block has the ideal thickness for interior or exterior insulation. It's very efficient and also suitable for construction of new walls. It can be used in all existing building systems as an insulating masonry block. Its thermal resistance above 3.5 m²K/W guarantees high energy efficiency for optimal comfort in summer and winter alike. It provides humidity regulation and acoustic insulation for your building.



› ADVANTAGES

- ✓ Significant thermal phase-shift
- ✓ Summer and winter comfort
- ✓ Quick and easy implementation
- ✓ Significant durability of the insulations and its performance

› APPLICATIONS



Interior insulation



External insulation



New build



Floor & roof

› TECHNICAL CHARACTERISTICS

	Value	Unit	Standard
Thickness	25	cm	
Modular dimensions	60x30	cm	
Number of blocks per m ²	5,5	blocs/m ²	
Maximum block weight	20	kg	
Bulk density when dry	340	kg/m ³	EN 772-13
Adhesive consumption	9,7	kg/m ²	
Dry thermal resistance	3,5	m ² K/W	EN 12667
Thermal resistance at 50% RH	3,7	m ² K/W	EN 12667
Thermal conductivity λ	0,071	W/mK	EN 12667
Lag	16,4	h	ISO 13786
Sound reduction index* Rw	41 (-1 ; -5)	dB	ISO 10140-2
Acoustic absorption coefficient α	0,85		EN ISO 354 : 2003
Equivalent air layer thickness Sd	0,7	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
Resistance to fire with render	EI 120	min**	EN 1364-1

* Coated hempblok 15mm on one side – Simulated value

** Value validated and tested with a 12cm thick block

› PACKAGING

	Value	Unit
Dimensions of a pallet	120 x 100 x 120	cm
Maximum weight of a pallet	500	kg
Number of blocks per pallet	24	blocks/pallet
Number of m ² per pallet	4,32	m ² /pallet
Number of blocks per m ²	5,5	blocks/m ²
Storage	3	months/exterior
Storage life	2	years if covered