



25 Block – Thickness 25

Technical characteristics

The 25 cm block has the ideal thickness for interior or exterior insulation. It's very efficient and 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.

	Value	Unit	Standard
Thickness	25	cm	
Modular dimensions	60 x 30	cm	
Number of blocks per m ²	5,5	blocks/m ²	
Maximum block weight	20,6	kg	
Weight of the masonry	1,23	kN/m ²	
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
Phase shift λ	0,071	W/mK	EN 12667
Phase shift	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	0,22	MPa	EN 772-1
Compressive strenght at ULS fd	0,099	MPa	
Reaction to fire	B, s1, d0		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 - Hemp block masonry plastered on the fire side

*** Insignificant considering a damping of more than 300

The hemp block
25 Block – Thickness 25 cm

Advantages

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

Packaging

	Value	Unit
Dimensions of a pallet	120 x 100 x 114	cm
Maximum weight of a pallet	521	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

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

Applications



Interior insulation



Exterior insulation



New buildings



Floor & roof