

THE HEMP BLOCK

20 Block – Thickness 20 cm

PAL20

The 20 cm block is very versatile and is specifically suited to new constructions and extensions. This masonry block is compatible with all construction systems (wood frame, post-beam system, classic construction, etc.). This breathable and insulating block guarantees excellent thermal phase shift in summer and winter alike. When used for interior partitions, it offers very high acoustic comfort. It can also be used in interior and exterior insulation of existing buildings that require very high thermal performance.



› ADVANTAGES

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

› APPLICATIONS



Interior insulation



External insulation



Interior masonry



New build



Floor & roof

› TECHNICAL CHARACTERISTICS

	Value	Unit	Standard
Thickness	20	cm	
Modular dimensions	60 x 30	cm	
Number of blocks per m ²	5,5	blocks/m ²	
Maximum block weight	15,3	kg	
Bulk density when dry	340	kg/m ³	EN 772-13
Adhesive consumption	7,8	kg/m ²	
Dry thermal resistance	3	m ² K/W	EN 12667
Thermal resistance at 50% RH	2,82	m ² K/W	EN 12667
Thermal conductivity λ	0,071	W/mK	EN 12667
Phase shift	13,1	h	ISO 13786
Sound reduction index* Rw	40 (-1 ; +5)	dB	ISO 10140-2
Acoustic absorption coefficient α	0,85		EN ISO 354 : 2003
Equivalent air layer thickness Sd	0,56	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

› PACKAGING

	Value	Unit
Dimensions of a pallet	120 x 100 x 140	cm
Maximum weight of a pallet	600	kg
Number of blocks per pallet	36	blocks/pallet
Number of m ² per pallet	6,48	m ² /pallet
Number of blocks per m ²	5,5	blocks/m ²
Storage	3	months/exterior
Storage life	2	years if covered