HEMP BLOCK PAL20

20 CM THICKNESS

Particularly suitable for new buildings and extensions, the 20cm block is used in various building systems such as timber frame or masonry block houses. It creates warm, breathable and resistant walls by providing excellent thermal phase shift during all seasons.

Advantages

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

Technical characteristics		Value	Unit	Standard
Modular dimensions		60 x 30	cm	
Thickness		20	cm	
Number of blocks per m²		5.5	blocks	
Dry apparent bulk density		340	kg/m³	EN 772-13
Maximum block weight		15,3	kg	
Mortar adhesive consumption		7.8	kg/m²	
Dry thermal resistance		3	m²K/W	EN 12667
Heat resistance at 50% HR		2.82	m²K/W	EN 12667
Thermal conductivity λ		0,071	W/mK	EN 12667
Thermal phase shift		13.1	h	ISO 13786
Sound resistance index * Rw		42	dB	ISO 10140-2
Sound absorption coefficient α		0.85		EN ISO 354: 2003
Sd diffusion equivalent thickness		0.56	m	EN ISO 12572
Water vapour diffusion resistance factor μ		2.8		EN ISO 12572
Resistance to compression		300	kPa	EN 772-1
Dimensional tolerance		+4 ; -2	mm	EN 772-16
Reaction to fire	Without plaster	B, S1, d0		NF EN 13501-1
	With plaster non-flammable	A1		NF EN 13501-1

* Hemp masonry block coated on one side - extrapolated value

Fields of application

EXTERIOR INSULATION

Use the 20cm block as exterior insulation to create a fantastic insulating cocoon around the building. It is also very durable and ensures excellent support for final renders and attachment of cladding.

NEW BUILD

The 20cm block makes it possible to create insulating envelopes in timber frame buildings, to fill wooden, concrete or steel column and beam systems, or to insulate masonry bearing walls.

Packaging	Value	Unit
Dimensions of a pallet	120 x 100 x 145	cm
Maximum weight of a pallet	600	kg
Number of blocks per pallet	36	blocks/pallet
Number of m² per pallet	6.48	m²/pallet
Number of blocks per m²	5.5	blocks/m²
Storage	3	months/exterior
Storage life	2	years if covered