



# Building With Hemp Blocks

- 100% Natural
- Carbon Negative
- Energy Saving
- Fire Resistant
- Sound Absorbing
- Vapour-Permeable (Breathing)
- Thermally Regulating
- Fast & Easy to Build
- Repels Mold & Pests
- Durable & Long-Lasting

**No need for double walls or added insulation!**

Characteristics	Unit	Width				Standard	
		12cm	20cm	25cm	30cm		
Modular dimensions	mm	500x250	500x250	500x300	500x250	EN 772-16	
Width	mm	120	200	250	300	EN 772-16	
Blocks per m2	Blocks/m2	7.6	7.6	6.4	7.6	-	**
Dry weight	kg	5.3	8.9	13.3	13.3	-	
Maximum weight	kg	6.4	10.8	15.9	15.9	-	
Dry apparent density	kg/m3	355				EN 772-13	
Adhesive mortar consumption	kg/m2	11.2	18.6	21.3	27.9	-	**
Compressive strength	kPa	≥ 150	200	≥ 200	300	EN 772-1	*
Dry thermal conductivity	W/m°K	0.082				EN 12664	
Dry thermal resistance	m²K/W	1.46	2.44	3.05	3.66	ISO 6946	
Thermal transmission coefficient	W/m2°K	0.59	0.37	0.3	0.26	ISO 6946	***
Specific heat capacity	J/kg°K	1091.8				-	
Thermal delay	h	5.3	9.4	11.9	14.4	ISO 13786	***
Reaction to fire	-	B-s1,d0				EN 13501-1	
Sound absorption coefficient α	-	≤ 0.9	0.9	≥ 0.9	0.95	EN ISO 354	*
Sound resistance index RW	dB	42	45	45	45	ISO 10140-1	* ***
Water vapour diffusion resistance factor μ	-	5.25				ISO 12572	
Sd diffusion equivalent thickness	m	0.63	1.05	1.31	1.58	EN ISO 12572	

\* Estimated values for 12cm and 25cm

\*\* With 8mm adhesive mortar

\*\*\* With 2cm plaster

