



CÂNHAMOR
NATURAL HEMP BLOCKS



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/m²K | 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

