



## IsoHemp Block 7

### Technical characteristics

The 7cm block is the thinnest block in the IsoHemp range. It's ideal for insulating from the inside in small spaces. Its thickness allows for quick and easy installation, without loss of living space. It's therefore particularly suitable for insulating small rooms or technical returns. This efficient block provides good thermal inertia and natural regulation of humidity inside rooms. It's a solution suitable for brick or stone walls, damp walls as well as bay returns.

|                                     | Value      | Unit                  | Standard          |
|-------------------------------------|------------|-----------------------|-------------------|
| Thickness                           | 7,5        | cm                    |                   |
| Modular dimensions                  | 60 x 30    | cm                    |                   |
| Number of blocks per m <sup>2</sup> | 5,5        | blocks/m <sup>2</sup> |                   |
| Bulk density                        | 355*       | kg/m <sup>3</sup>     |                   |
| Maximum block weight                | 5,1        | kg                    |                   |
| Weight of the masonry               | 0,31       | kN/m <sup>2</sup>     |                   |
| Adhesive consumption                | 2,8        | kg/m <sup>2</sup>     |                   |
| Dry thermal resistance              | 1,12       | m <sup>2</sup> K/W    | NBN EN 1745       |
| Thermal resistance at 50% RH        | 1,06       | m <sup>2</sup> K/W    | NBN EN 1745       |
| Thermal conductivity λ              | 0,075      | W/mK                  | NBN EN 1745       |
| Phase shift                         | 4,9        | h                     | ISO 13786         |
| Sound reduction index** Rw          | 37 (0 ;-2) | dB                    | ISO 10140-2       |
| Acoustic absorption coefficient α   | 0,85       |                       | EN ISO 354 : 2003 |
| Equivalent air layer thickness Sd   | 0,21       | m                     | EN ISO 12572      |
| Water vapour resistance factor μ    | 2,8        |                       | EN ISO 12572      |
| Compressive strength                | 0,2        | MPa                   | EN 772-1          |
| Reaction to fire                    | B, s1, d0  |                       | NF EN 13501-1     |
| Resistance to fire                  | 45         | min                   |                   |

\* +/-10% - bulk density at delivery

\*\* Hemp block masonry with rendering on one side - Simulated value

### Advantages

- Little loss of living space
- Natural humidity regulation
- The benefits of thermal inertia
- Quick and easy implementation

### Packaging

|                                     | Value           | Unit                   |
|-------------------------------------|-----------------|------------------------|
| Dimensions of a pallet              | 120 x 100 x 120 | cm                     |
| Maximum weight of a pallet          | 495             | kg                     |
| Number of blocks per pallet         | 84              | blocks/pallet          |
| Number of m <sup>2</sup> per pallet | 15,12           | m <sup>2</sup> /pallet |
| Number of blocks per m <sup>2</sup> | 5,5             | blocks/m <sup>2</sup>  |

#### 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 |

### Solutions



> Syst'**HEMP**  
Specific