

# THE HEMP BLOCK

## 7 Block – Thickness 7,5 cm

**PAL07**

Block 7 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.



### › ADVANTAGES

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

### › APPLICATIONS



Interior insulation

### › TECHNICAL CHARACTERISTICS

|                                     | 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> |                   |
| Maximum block weight                | 5,7            | kg                    |                   |
| Bulk density when dry               | 340            | kg/m <sup>3</sup>     | EN 772-13         |
| Adhesive consumption                | 3              | kg/m <sup>2</sup>     |                   |
| Dry thermal resistance              | 1,12           | m <sup>2</sup> K/W    | EN 12667          |
| Thermal resistance at 50% RH        | 1,06           | m <sup>2</sup> K/W    | EN 12667          |
| Thermal conductivity λ              | 0,071          | W/mK                  | EN 12667          |
| 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                | 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     |

\* Coated hempblok 15mm on one side – Simulated value

### › PACKAGING

| Packaging                           | Value           | Unit                   |
|-------------------------------------|-----------------|------------------------|
| Dimensions of a pallet              | 120 x 100 x 135 | cm                     |
| Maximum weight of a pallet          | 550             | kg                     |
| Number of blocks per pallet         | 90              | blocks/pallet          |
| Number of m <sup>2</sup> per pallet | 16,20           | m <sup>2</sup> /pallet |
| Number of blocks per m <sup>2</sup> | 5,5             | blocks/m <sup>2</sup>  |
| Storage                             | 3               | months/exterior        |
| Storage life                        | 2               | years if covered       |