

PRE-DRILLED BLOCK


PAL30P

30 CM VERTICAL QUOIN BLOCK

The pre-drilled block is a 30cm hempcrete block with a vertical, cylindrical hole for use in reinforced, loadbearing concrete pillars, which can be the loadbearing structure for the building. It is used in the IsoHemp Hempro construction system to achieve an all-round wall insulation using only hempcrete blocks. It is used in conjunction with U blocks to create a consistent construction look.




Advantages

 Homogeneity of the wall

 Economical solution

 Summer and winter comfort

 Open to water vapour diffusion

| Technical characteristics | | Value | Unit | Standard |
|--|----------------------------|-----------|----------------------|---------------|
| Modular dimensions | | 60 x 30 | cm | |
| Thickness | | 30 | cm | |
| Number of blocks per m ² | | 5,5 | blocs/m ² | |
| Maximum block weight | | 20,7 | kg | |
| Drilling diameter | | 15 | cm | |
| Drilling section | | 177 | cm ² | |
| Dry apparent bulk density | | 340 | kg/m ³ | EN 772-13 |
| Mortar adhesive consumption | | 11 | kg/m ² | |
| Dry thermal resistance | | | | |
| Heat resistance at 50% HR | | | | |
| Thermal conductivity λ | | | | |
| Thermal phase shift | | | | |
| Sound resistance index * Rw | | | | |
| Sound absorption coefficient α | | | | |
| Sd diffusion equivalent thickness | | | | |
| Water vapour diffusion resistance factor μ | | | | |
| Resistance to compression | | | | |
| 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



NEW BUILD

It is ideal for new builds with the IsoHemp Hempro system. It is used alongside the U block and the 30cm block to create a consistent new build look using only IsoHemp hempcrete blocks. The Hempro system provides the isolation needed to achieve low energy, very low energy and passive house standards.

| Packaging | Value | Unit |
|-------------------------------------|-----------------|------------------------|
| Dimensions of a pallet | 120 x 100 x 145 | cm |
| Maximum weight of a pallet | 525 | kg |
| Number of blocks per pallet | 24 | blocks/pallet |
| Number of m ² per pallet | 4.32 | m ² /pallet |
| Number of blocks per m ² | 5.5 | blocks/m ² |
| Storage | 3 | months/exterior |
| Storage life | 2 | years if covered |

