

# U BLOCK

PAL30U

## 30 CM VERTICAL QUOIN BLOCK

The U Block is a 30cm hempcrete block with a horizontal groove to be used to make a reinforced, concrete beam belt all around 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 pre-drilled blocks to create a consistent construction look.



### Advantages

- Homogeneity of the wall
- Economical solution
- Summer and winter comfort
- Open to water vapour diffusion



### Fields of application



It is ideal for new builds with the IsoHemp Hempro system. It is used alongside the drilled 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.

Technical characteristics		Value	Unit	Standard
Modular dimensions		60 x 30	cm	
Thickness		30	cm	
Number of blocks per m <sup>2</sup>		5,5	blocs/m <sup>2</sup>	
Maximum block weight		15,3	kg	
Drilling diameter		15 x 20	cm	
Drilling section		300	cm <sup>2</sup>	
Dry apparent bulk density		340	kg/m <sup>3</sup>	EN 772-13
Mortar adhesive consumption		10	kg/m <sup>2</sup>	
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

Packaging	Value	Unit
Dimensions of a pallet	120 x 100 x 145	cm
Maximum weight of a pallet	400	kg
Number of blocks per pallet	24	blocks/pallet
Number of m <sup>2</sup> per pallet	4.32	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

