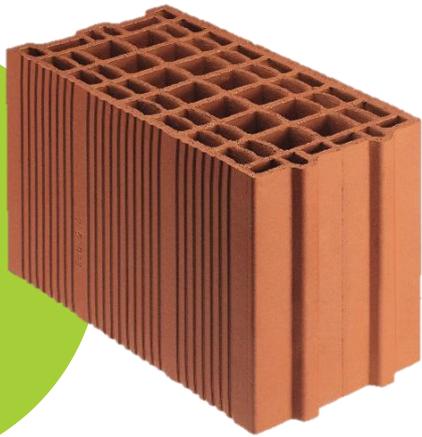


# ORTHOBLOCK MK200



UNITS /  
PALETTE:  
**60**

**EPD**<sup>®</sup>  
THE INTERNATIONAL EPD<sup>®</sup> SYSTEM

**EPD**<sup>®</sup>  
CLIMATE DECLARATION



Vertically Perforated Clay Brick, for use in protected masonry, Category II, certified according to EN 771-1:2011+A1:2015.

## TECHNICAL DATA

|  |                  |
|--|------------------|
| Masonry  | Non-Load Bearing |
| Dimensions (LxWxH) (mm)  | 380x200x240      |
| Weight per Unit (kg/unit)  | 12,40            |
| Masonry Thickness (mm)   | 200              |
| Units/m <sup>2</sup>   | 11               |
| Estimated Masonry Weight (kg/m <sup>2</sup> ) without mortar   | 136,40           |
| Gross Dry Density (kg/m <sup>3</sup> )   | 680              |
| Net Dry Density (kg/m <sup>3</sup> )   | 1.900            |
| Mean Compressive Strength (perpendicular to bed face) (N/mm <sup>2</sup> )                               | 7                |
| Thermal Conductivity Coefficient $\lambda_{10,dry,unit}$ (W/mK)  | 0,1971           |
| Thermal Design Conductivity Coefficient $\lambda_{equ,design,masonry}$ (with 3mm ORTHOBLOCK BOND) (W/mK) | 0,2193           |
| Thermal Transmittance $U_{w,design}$ without any plaster (with 3mm ORTHOBLOCK BOND) (W/m <sup>2</sup> K) | 0,9339           |
| Sound Reduction Index $R_w$ (dB)   | 46               |
| Water Vapour Permeability $\mu$  | 5 / 10           |
| Durability against freeze/thaw   | F0               |
| Reaction to Fire   | A1               |

\* The above coverage of **OPΘOBLOCK BOND** is indicative and it is the result of laboratory and on site measurements. It includes only horizontal joints 3mm thick (vertical joints in non-load bearing masonries built with **OPΘOBLOCK** are not required).

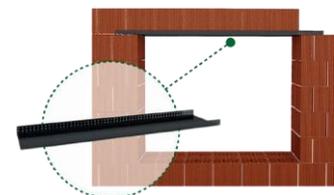
\*\*Laboratory Measurement

## SUPPLEMENTARY PRODUCTS



**BONDING MORTAR  
OPΘOBLOCK BOND**  
(paper bag of 25kg)

Coverage:  
3,5-6,0 m<sup>2</sup> masonry per bag \*



**METAL LINTEL**

Unit's Width: 20cm