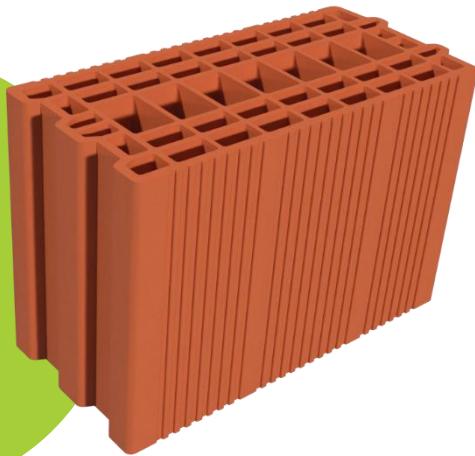


ORTHOBLOCK MK180



UNITS /
PALETTE:
72

 **EPD®**
THE INTERNATIONAL EPD® SYSTEM

 **EPD®**
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)	380x180x240
Weight per Unit (kg/unit)	10,80
Masonry Thickness (mm)	180
Units/m ²	11
Estimated Masonry Weight (kg/m ²) without mortar	118,80
Gross Dry Density (kg/m ³)	650
Net Dry Density (kg/m ³)	1.900
Mean Compressive Strength (perpendicular to bed face) (N/mm ²)	8,5
Thermal Conductivity Coefficient $\lambda_{10,dry,unit}$ (W/mK)	0,1964
Thermal Design Conductivity Coefficient $\lambda_{equ,design,masonry}$ (with 3mm ORTHOBLOCK BOND) (W/mK)	0,2138
Thermal Transmittance $U_{w,design}$ without any plaster (with 3mm ORTHOBLOCK BOND) (W/m ² K)	0,9906
Sound Reduction Index R_w (dB)	45 **
Water Vapour Permeability μ	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).

** Calculated Measurement

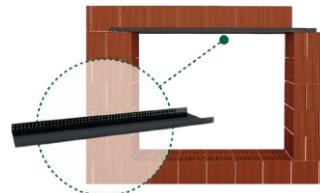
The technical data and instructions included in this technical sheet are the result of our scientific knowledge, laboratory tests and long-term experience. However, the above information should be considered indicative and should be reviewed according to the specific conditions and application of each case. The publication of this technical sheet cancels any other previous publication for the same product. | Edition: 25.09.2025

SUPPLEMENTARY PRODUCTS



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

Coverage:
4,0-6,5 m² masonry per bag *



METAL LINTEL

Unit's Width: 18cm