

ORTHOBLOCK K300



UNITS /
PALETTE:
48

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	Load-Bearing Masonry
Dimensions (LxWxH) (mm)	250x300x240
Weight per Unit (kg/unit)	14,2
Masonry Thickness (mm)	300
Units/m ²	16
Estimated Masonry Weight (kg/m ²) without mortar	227,20
Gross Dry Density (kg/m ³)	790
Net Dry Density (kg/m ³)	1.900
Mean Compressive Strength (perpendicular to bed face) (N/mm ²)	10,5
Thermal Conductivity Coefficient $\lambda_{10,dry,unit}$ (W/mK)	0,1570
Thermal Design Conductivity Coefficient $\lambda_{equ,design,masonry}$ (with 3mm ORTHOBLOCK BOND) (W/mK)	0,1727
Thermal Transmittance $U_{w,design}$ without any plaster (with 3mm ORTHOBLOCK BOND) (W/m ² K)	0,5245
Sound Reduction Index R_w (dB)	53 **
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).

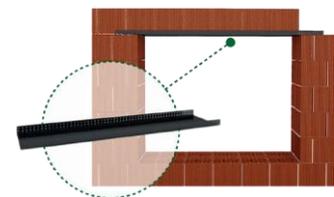
** Calculated Measurement

SUPPLEMENTARY PRODUCTS



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

Coverage:
2,0-3,5 m² masonry per bag *



METAL LINTEL

Unit's Width: 30cm