

IZO Block.200.300.600



DIN EN 771-3:2011

Block properties		
Properties	Value	Standard
The block's nominal dimensions L x W x H (mm):	L.600 x W.200 x H.300	DIN EN 771-3:2011
The block's real dimensions L x W x H (mm):	L.595x W.195x H.295	DIN EN 771-3:2011
Dimensional Tolerance (mm):	D1	DIN EN 772-16:2011
Weight per block (Kg):	14	
Block density (kg/m ³):	350	DIN EN 771-3:2011
Nominal density tolerance (kg/m ³) +/- 10 % UNI EN 772-13	+/- 10 %	DIN EN 772-13
Medium compressive strength category II (N/mm ²):	0,8 – 1.5	DIN EN 772-1:2011
Block thermal resistance (m ² k/W):	2500	DIN TS11300 -1 , DIN EN ISO 6946 , DIN EN ISO 13370
Coefficient of water vapor diffusion μ :	12	DIN EN 1745
Vaporpermeability δ (kg/msPa):	15,62*10 ⁻¹²	DIN EN 1745
Thermal conductivity of the block λ (W/mk):	0,06	
Specific heat K (Kcal/Kg):	0,33	
Hazardous substances:	Does not exist	

Wall Characteristics		
Properties	Value	Standard
Nominal mass of masonry, excl. Plaster (Kg/m ²):	75	
Thermal conductivity of the plastered wall* U (W/m ² k):	0,358	DIN EN ISO 6946 , DIN EN ISO 13370
Thermal resistance for the plastered wall* R (m ² k/W):	2,793	
Periodic thermal transmittance coefficient of plastered wall * YIE (W/m ² k):	0,170	
Phase shift - Thermal inertia	-8,8	ISO 13786
Damping factor on the thermal inertia:	0,474	
Fire Reactivity:	Euroklass A2s1d0 (non combustible material)	EN 13501-1
Sound-proofing (dB):	44,6	
Number of blocks for every masonry m ² (Pieces)	5,56	

* Plaster for indoor and outdoor use with a thickness of 15 mm and a thermal conductivity of 1.00 W / mK (plaster consisting of sand and cement UNI 10456)

Packaging	
Packaging:	Pallet (120X120 cm)
Number of blocks per pallet (pcs):	84
Number of m3 per Pallet	3.024
Number of m2 per Pallet	15.12
Weight per pallet (kg):	1200
Pallet Dimensions L x W x H (mm):	L.1200 x B.1200 x H.2344

Application Fields
Thermal insulation of exterior walls, Internal walls, walls adjacent to other walls, protection against thermal bridges on pillars and beams, exterior masonry work with air gap.

Specification
Izocrete Blocks are Excellent choice for the design of the interior and exterior walls. It is a Lisenced construction system consisting of blocks for the construction of curtain walls to be plastered, . The blocks are produced by Izocrete ltd. Blocks nominal dimensions is L.600 B.200 x x H.300 mm D1 tolerance and density equal to $350 \pm 15 \text{ kg / m}^3$. Fire class: A2s1d0 (UNI EN 13501-1). Izocrete Block is appropriate to use in all construction of exterior and internal and walls with Excellent insulation property. A wall of Izocrete Blocks B.200 and 1.5 cm plaster on each side gives a heat transfer coefficient of $0,358 \text{ W/m}^2\text{k}$ and a sound insulation of $R_w 44.6 \text{ dB}$ in accordance with the technical recommendations EAACA.

All the indications provided in this technical data sheet are purely approximate and not binding for legal purposes. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all the methods and instructions for use generally referable to "workmanlike" execution. Izocrete. ltd. reserves the right to change the contents of this technical data sheet on its final judgement. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.

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