

100x300x600S WALL BLOCK

PRODUCT SPECIFICATION AND CONFORMITY

ROCLITE wall block 100x300x600S is an auto-claved aerated concrete wall block that conforms to the standard EVS-EN 771-4:2011 requirements and is intended for use in uninsulated or insulated load-bearing and non-load bearing exterior and interior walls with ROCLITE block glue (fine-grain mortar mix).



ESSENTIAL CHARACTERISTICS

DIMENSIONS	Width, mm	100
	Height, mm	300
	Length, mm	600
DIMENSIONAL TOLERANCES		TLMB
Plane parallelism of the bed faces mm		≤1.0
Evenness of the bed faces mm		≤1.0
Category by compressive strength		II
Mean compressive strength value, N/mm ²		3.0
Dimensional stability (moisture movement) mm/m		≤0,3
Bond strength, fine-grain mortar mixt, N/mm ²		0.3 (value according to Annex C to EN 998-2)
Reaction to fire		A1
Water absorption, g/m ² s ^{0,5}		NPD
Water vapour permeability μ		5/10 (table value according to EN 1745, Table A.10)
Durability (resistance to cold)		35 cycles
Gross dry density, kg/m ³		400±50
Configuration and form		solid wall block
Thermal conductivity, W/(mK)		λ10dry (P=50%): 0.094: EN 1745, model S2
Weight, kg		12 kg/pcs
Laid surface, pcs/m ²		5.56
Quantity of blocks in the package (pallet)		112

VKG Plokk OÜ, the manufacturer of ROCLITE aerated concrete blocks, is a subsidiary of Viru Keemia Grupp AS and is located in Ahtme in the historical manufacturing area of aerated concrete products. Since 2011, high quality ROCLITE aerated concrete blocks are manufactured using the new German Masa-Henke production line. Using oil shale ash in construction blocks allows saving a considerable amount of cement as well as Estonia's natural building materials – limestone, clay, sand – that are used for manufacturing other lightweight blocks.

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