

PRODUCT SPECIFICATION

Information correct as at 09 November 2022

Description

Product Name	Engineering B 73mm (Rav)
Product Code	C3550A
Quality	Best CLAY BRICK
Manufacturing Unit	Ravenhead Factory
Type	Wirecut Extruded
Configuration	Vertically Perforated
Voids	23-28 %

Specification

(In accordance with BS EN771-1:2011/A1:2015)

Masonry Unit Group	HD units Group 2 Structural
Category	BS EN771-1:2011/A1:2015 Cat II
Dimensions	215x102x73 mm
Tolerance - Mean	T2 +/-L4W3H2
Tolerance - Range	R1 L9W6H5
Bed Surface Mean Compressive Strength	>=75.0 N / mm²

Additional Data

Gross Density	1610 kg / m³
Nett Density	2310 kg / m³
Density Tolerance	D1
Durability	F2 Severe Exposure
Active Soluble Salts	S2
Water Absorption	<=7 % by weight
Initial rate of water absorption	0.3 kg / m² / min
Fire Reaction	Euroclass A1
Water Vapour Diffusion Coefficient (Water Vapour Permeability)	50/100 mu
Bond Strength - Fixed Value Stated as Initial Shear Strength	0.15 N/mm²

Thermal Properties

(Tabulated - CIBSE Guide A 1999/BSEN 1745)

Thermal Conductivity 'K' (at 5% moisture content - exposed)	1.19 W / m K
Thermal Resistance 'R' (at 5% moisture content - exposed)	0.08 m² K/W

Handling Information

Dry Weight per brick	2.5 kg
Average weight of brickwork (1/2 brick wall including mortar joints)	216.0 kg / m²
Coverage	Approximately 54.0 bricks per m²
Quantity per pack	424
Pack Size (WxDxH)	755x875x1020 mm
Weight per pack (dry)	1060 kg approximately

Application

Suitability	To be used in accordance with BS EN1996, PD6697 and our own recommendations
Mortar Joint Profile	From a durability point of view, this product is suitable for all common joint profiles
Movement Joints	Movement joints should be incorporated in accordance with BS EN1996, PD6697 and our own recommendations
Special Shapes	Special shapes are not available

Quality Assurance

Frost Resistance	This product is guaranteed for 60 years in buildings or 20 years in boundary walls. Excludes paving, steps & ramps. All applications should be designed and constructed in accordance with the guidance contained within BS EN1996, PD6697 and with our own recommendations. Failure to comply will invalidate all warranties implied.
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Workmanship

Colour	Mixing from a minimum of three packs on site will ensure a balanced blend of all the colours formed in the manufacturing process
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Test results derived under BS EN 771-1 must be used in conjunction with BS EN1996, PD6697