PRODUCT SPECIFICATION

Information correct as at 06 February 2013

Description

Product Name	**Engineering B (Rav)**
Product Code	**A3550A**
Quality	**Best** **CLAY BRICK**
Manufacturing Unit	**Ravenhead Factory**
Type	**Wirecut Extruded**
Configuration	**Vertically Perforated**
Voids	**23-28 %**

Specification (In accordance with BS EN 771-1:2003/A1:2005)

Masonry Unit Group	**HD units Group 2 Structural**
Category	**BS EN771-1:2003/A1:2005 Cat I**
Dimensions	**215x102x65 mm**
Tolerance - Mean	**T2** **+/-L4W3H2**
Tolerance - Range	**R1**
Bed Surface Mean Compressive Strength	**>=75.0 N / mm ^{2}** **L9W6H5**

Additional Data

Gross Density	**1580 kg / m ^{3}**
Nett Density	**2250 kg / m ^{3}**
Density Tolerance	**D1**
Durability	**F2** **Severe Exposure**
Active Soluble Salts	**S2**
Water Absorption	**<=7** % by weight
Initial rate of water absorption - Suction Rate	**0.6 kg / m ^{2}/ 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/mm ^{2}**

Test results derived under BS EN 771-1 must be used in conjuction with BS EN1996, PD6697

Thermal Properties (Tabulated - CIBSE Guide A 1999/BSEN 1745)

Thermal Conductivity 'K' (at 5% moisture content - exposed)	**1.15 W / m K**
Thermal Resistance 'R' (at 5% moisture content - exposed)	**0.09 m ^{2} K/W**

Handling Information

Dry Weight per brick	**2.6 kg**
Average weight of brickwork (1/2 brick wall including mortar joints)	**216.0 kg / m ^{2}**
Coverage	**Approximately 60.0 bricks per m ^{2}**
Quantity per pack	**424**
Pack Size (WxDxH)	**720x870x1050 mm**
Weight per pack (dry)	**1102 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 recommendation Failure to comply will invalidate all warranties implied.

Workmanship

Colour	All facing bricks are blended at works. Mixing from a minimum of three packs on site will ensure a balanced blend of all the colours formed in the manufacturing process