

# PRODUCT SPECIFICATION

Information correct as at 10 January 2025

## Description

Product Name	Atlas Smooth Red
Product Code	A0300A
Quality	BestCLAY FACING BRICK
Manufacturing Unit	Atlas Factory
Type	Wirecut Extruded
Configuration	Vertically Perforated
Voids	28-32 %

## 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 I
Dimensions	215x102x65 mm
Tolerance - Mean	T2 +/-L4W3H2
Tolerance - Range	R1 L9W6H5
Bed Surface Mean Compressive Strength	>=25.0 N / mm <sup>2</sup>

## Additional Data

Gross Density	1660 kg / m <sup>3</sup>
Nett Density	2270 kg / m <sup>3</sup>
Density Tolerance	D1
Durability	F2~ Severe Exposure
Active Soluble Salts	S2
Water Absorption	<=9 % by weight
Initial rate of water absorption - Section Rate	0.3 kg / m / 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 <sup>2</sup>

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

## Thermal Properties

(Tabulated - CIBSE Guide A 1999/BSEN 1745)

Thermal Conductivity 'K' (at 5% moisture content - exposed)	1.16 W / m K
Thermal Resistance 'R' (at 5% moisture content - exposed)	0.09 m <sup>2</sup> K/W

## Handling Information

Dry Weight per brick	2.2 kg
Average weight of brickwork (1/2 brick wall including mortar joints)	204.0 kg / m <sup>2</sup>
Coverage	Approximately 60.0 bricks per m <sup>2</sup>
Quantity per pack	552
Pack Size (WxDxH)	850x870x825 mm
Weight per pack (dry)	1214 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 available by manufacture & by cut and bonding.

## 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.

## 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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