

# PRODUCT SPECIFICATION

Information correct as at 04 November 2022

## Description

Product Name	<b>Staffordshire Smooth 73mm</b>
Product Code	<b>C0288A</b>
Quality	<b>Best CLAY FACING BRICK</b>
Manufacturing Unit	<b>Aldridge Factory</b>
Type	<b>Wirecut Extruded</b>
Configuration	<b>Vertically Perforated</b>
Voids	<b>23-28 %</b>

## Specification

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

Masonry Unit Group	<b>HD units Group 2 Structural</b>
Category	<b>BS EN771-1:2011/A1:2015 Cat II</b>
Dimensions	<b>215x102x73 mm</b>
Tolerance - Mean	<b>T2 +/-L4W3H2</b>
Tolerance - Range	<b>R1 L9W6H5</b>
Bed Surface Mean Compressive Strength	<b>&gt;=40.0 N / mm<sup>2</sup></b>

## Additional Data

Gross Density	<b>1500 kg / m<sup>3</sup></b>
Nett Density	<b>2170 kg / m<sup>3</sup></b>
Density Tolerance	<b>D1</b>
Durability	<b>F2 Severe Exposure</b>
Active Soluble Salts	<b>S2</b>
Water Absorption	<b>&lt;=12 % by weight</b>
Initial rate of water absorption	<b>0.5 kg / m<sup>2</sup> / min</b>
Fire Reaction	<b>Euroclass A1</b>
Water Vapour Diffusion Coefficient (Water Vapour Permeability)	<b>50/100 mu</b>
Bond Strength - Fixed Value Stated as Initial Shear Strength	<b>0.15 N/mm<sup>2</sup></b>

## Thermal Properties

(Tabulated - CIBSE Guide A 1999/BSEN 1745)

Thermal Conductivity 'K' (at 5% moisture content - exposed)	<b>1.1 W / m K</b>
Thermal Resistance 'R' (at 5% moisture content - exposed)	<b>0.09 m<sup>2</sup> K/W</b>

## Handling Information

Dry Weight per brick	<b>2.7 kg</b>
Average weight of brickwork (1/2 brick wall including mortar joints)	<b>222.0 kg / m<sup>2</sup></b>
Coverage	<b>Approximately 54.0 bricks per m<sup>2</sup></b>
Quantity per pack	<b>292</b>
Pack Size (WxDxH)	<b>730x860x790 mm</b>
Weight per pack (dry)	<b>788 kg approximately</b>

## 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 only available by the cut and bonding method

## 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**