

# Product Technical Information Sheet

Freshfield Lane  
**Synthesis S20**

Configuration:	<b>Frogged Clay Facing Brick</b>		
Size:	<b>215 x 102.5 x 65 mm</b>		
Dimensional Tolerance:	<b>T2</b>	Dimensional Range:	<b>R1</b>
Density (net):	<b>1690</b> Kg/m <sup>3</sup>	Density Tolerance:	<b>D1</b>
Density (gross):	<b>1460</b> Kg/m <sup>3</sup>		
Compressive Strength:	<b>27</b> N/mm <sup>2</sup>	Compressive Strength Category:	<b>II</b>
Water Absorption:	<b>12</b> %	Initial Rate of Water Absorption:	<b>2.5</b>
Durability Category:	<b>F2</b>	Soluble Salts Category:	<b>S2</b>
Thermal Conductivity: (P=50)	<b>0.45</b> W/m.K	Thermal Resistance P=50:	<b>0.23</b> m <sup>2</sup> .K/W
Thermal Conductivity: (P=90)	<b>0.51</b> W/m.K	Thermal Resistance P=90:	<b>0.20</b> m <sup>2</sup> .K/W
Water Vapour Permeability Coefficient:	<b>5/10</b>	Bond Strength (fixed value):	<b>0.15</b> N/mm <sup>2</sup>
Dangerous Substances:	<b>Not Applicable</b>	Void Percentage:	<b>6 - 11</b> %
Recycled Content:	<b>0</b> %	Reaction to Fire:	<b>Class A1</b>

Clay bricks are manufactured and supplied to relevant clauses of BS EN 771-1.

Declarations of performance, environmental and other policies can be found on the company website: [www.mbhplc.co.uk](http://www.mbhplc.co.uk). Further information is available via our sales department on 0844 931 0022 or email [sales@mbhplc.co.uk](mailto:sales@mbhplc.co.uk)



Technical data correct at the time of issue. Please order a sample for accurate representation of product.

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