

# Product Technical Information Sheet

Freshfield Lane™

## Synthesis S21

Configuration (EN 771.1):	<b>Frogged Clay Facing Brick</b>	Dimensions:	<b>215 x 102.5 x 65 mm</b>
Compressive Strength:	<b>&gt;= 27</b> N/mm <sup>2</sup>	Dimensional Tolerance:	<b>T2</b>
Compressive Strength Category:	<b>II</b>	Dimensional Range:	<b>R1</b>
Freeze/Thaw Resistance:	<b>F2</b>	Water Absorption:	<b>= &lt; 12</b> %
Soluble Salts Content Category:	<b>S2</b>	Initial Rate of Water Absorption:	<b>2.5</b> kg/m <sup>2</sup> .min
Reaction to Fire:	<b>Class A1</b>	Dangerous Substances:	<b>N/A</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>0.2</b> m <sup>2</sup> .K/W
Void Percentage:	<b>06-Nov</b> %	Net Dry Density:	<b>1690</b> kg/m <sup>3</sup>
Water Vapour Permeability Coefficient:	<b>05-Oct</b>	Gross Dry Density:	<b>1460</b> kg/m <sup>3</sup>
Bond Strength (fixed value):	<b>0.15</b> N/mm <sup>2</sup>	Density Tolerance:	<b>D1</b>
Quantity per Pack:	<b>400</b>	Recycled Content:	<b>0</b> %
Product Weight:	<b>2.225</b> kg	DoP common root reference code:	<b>--FL65FAB--</b>
Products per Square Metre:	<b>60</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).

