

# Product Technical Information Sheet

Blockleys™

## Synthesis S03

|  |   |                   |                                   |                     |                        |
|--|---|-------------------|-----------------------------------|---------------------|------------------------|
| Configuration (EN 771.1):              | Vertically Perforated Clay Facing Brick |                   | Dimensions:                       | 215 x 102.5 x 65 mm |                        |
| Compressive Strength:                  | >= 50                                   | N/mm <sup>2</sup> | Dimensional Tolerance:            | T2                  |                        |
| Compressive Strength Category:         | II                                      |                   | Dimensional Range:                | R1                  |                        |
| Freeze/Thaw Resistance:                | F2                                      |                   | Water Absorption:                 | =< 12               | %                      |
| Soluble Salts Content Category:        | S2                                      |                   | Initial Rate of Water Absorption: | 1.3                 | kg/m <sup>2</sup> .min |
| Reaction to Fire:                      | Class A1                                |                   | Dangerous Substances:             | N/A                 |                        |
| Thermal Conductivity (P = 50):         | 0.72                                    | W/m.K             | Thermal Resistance (P = 50):      | 0.14                | m <sup>2</sup> .K/W    |
| Thermal Conductivity (P = 90):         | 0.79                                    | W/m.K             | Thermal Resistance (P = 90):      | 0.13                | m <sup>2</sup> .K/W    |
| Void Percentage:                       | 23 - 28                                 | %                 | Net Dry Density:                  | 2290                | kg/m <sup>3</sup>      |
| Water Vapour Permeability Coefficient: | 50/100                                  |                   | Gross Dry Density:                | 1640                | kg/m <sup>3</sup>      |
| Bond Strength (fixed value):           | 0.15                                    | N/mm <sup>2</sup> | Density Tolerance:                | D1                  |                        |
| Quantity per Pack:                     | 400                                     |                   | Recycled Content:                 | 0                   | %                      |
| Product Weight:                        | 2.7                                     | kg                | DoP common root reference code:   | --BL65FABBL--       |                        |
| Products per Square Metre:             | 60                                      |                   |                                   |                     |                        |

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).

