



# Solid Dense Concrete Blocks

**Solid Dense Blocks are produced using responsibly sourced and sustainable high-quality sands and aggregates. Available in close textured/paint grade finish. Standard face dimensions 440mm x 215mm. Suitable for ground conditions up to DS3. Compliance with EN1996-1 Group 1 Manufacturing Standard BS EN 771-3:2011.**

| Product Code                                    | 351310                           | 351410     | 151420      | 151430      | 151440      | 151610     | 151620      | 151630      | 151640      |
|-------------------------------------------------|----------------------------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|
| Thickness (mm)                                  | 75                               | 100        | 100         | 100         | 100         | 140        | 140         | 140         | 140         |
| Form                                            | Solid                            |            |             |             |             |            |             |             |             |
| Metres per pack (m <sup>2</sup> )               | 9.6                              | 7.2        | 7.2         | 7.2         | 7.2         | 4.8        | 4.8         | 4.8         | 4.8         |
| Blocks Per Pack                                 | 96                               | 72         | 72          | 72          | 72          | 48         | 48          | 48          | 48          |
| Dry density (kg/m <sup>3</sup> )                | 1850-2000                        | 1850-2000  | 1850-2000   | 1850-2000   | 1900-2100   | 1850-2000  | 1850-2000   | 1850-2000   | 1900-2100   |
| Approx weight (kg)                              | 13.7                             | 18.2       | 18.2        | 18.2        | 19.8        | 25.5       | 25.5        | 25.5        | 26.7        |
| <b>Compressive strength (N/mm<sup>2</sup>)</b>  | <b>7.3</b>                       | <b>7.3</b> | <b>10.4</b> | <b>17.5</b> | <b>22.5</b> | <b>7.3</b> | <b>10.4</b> | <b>17.5</b> | <b>22.5</b> |
| Thermal Conductivity W/mK λ <sub>10</sub> , dry | 1.11                             |            |             |             |             |            |             |             |             |
| Fire Resistance <sup>1</sup> (Hours)            | 2                                | 4          | 4           | 4           | 4           | 4          | 4           | 4           | 4           |
| Reaction to Fire                                | Euro Class A1 (Non Combustible)  |            |             |             |             |            |             |             |             |
| Sound reduction value <sup>2</sup> (dB)         | 47                               | 49         | 49          | 49          | 49          | 52         | 52          | 52          | 52          |
| Shear Bond Strength (N/mm <sup>2</sup> )        | 0.15                             |            |             |             |             |            |             |             |             |
| Durability to Freeze/Thaw                       | Recommended not to leave exposed |            |             |             |             |            |             |             |             |

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<sup>1</sup>Figures shown are the nominal fire ratings based on single block wall in a loadbearing situation, faced both sides with plasterboard and skim

<sup>2</sup>Includes 2 layers of plaster

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