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| --- | --- | --- | --- |
| **Technical Results** |  | |  |
| **Description** | Hard and durable limestone with light bedding | | |
| **Country of Origin** | UK |  | |
| **Geological Type** | Magnesium limestone |  | |
| **Colour** | Light Bronze-white | | |
| **Density** | 2150 kg/m³ | | BSEN 1936 |
| **Compressive Strength** | 68.9 MPa | | EN 722-1 |
| **Compressive Strength** | 99.2 MPa (56 cycles) after freeze thaw | | EN 722-1 |
| **Water Absorption at atmospheric pressure** | 5.8% by mass | | BSEN 13755 |
| **Water Absorption by Capillarity** | 102.3 | | EN 722-11 |
| **Open Porosity** | 24.7% | | BS EN 1936 |
|  |  | |  |
| **Slip Resistance** | 76 Dry 77 Wet | | BSEN 14231 |
| **Abrasion Resistance** | 24.5mm | | BS EN 14151 |
| **Flexural Strength under conc. load:** | 8.7 MPa perpendicular to bed  10.6 MPa (56 Cycles) perpendicular after freeze thaw | | BSEN 12372  BSEN 12372 |
| **Flexural Strength under conc. Load:** | 8.3 MPa parallel to bed  9.7 MPa (14 Cycles) parallel to bed after freeze thaw  6.0 MPa (20 Cycles) parallel to bed after thermal shock | | BSEN 12372  BSEN 12372  BSEN 12372 |
| **Breaking load at Dowel hole** | 3050N | | BSEN 13364 |
| **Design thermal conductivity** | 1.7W (m.k)-1 | | EN 12524 |
| **Specific Heat capacity** | 1000 J/(Kg.K) | | EN 12524 |
| **Water vapour resistance factor:** | Dry 200 Wet 150 | | EN12524 |
| **Average Block Size** | 1500L x 1000W x 700H | |  |

Please note that stone is a natural product and all results are subject to variation

**Cadeby Beds 2-6**

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