|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Technical Results** |  | | |  |
| **Description** | Hard and durable fine-grained tight-texture limestone | | | |
| **Country of Origin** | UK |  | | |
|  |  |  | | |
| **Geological Type** | Magnesium limestone |  | | |
| **Colour** | White | | | |
| **Density** | 2140 kg/m³ | | BSEN 1936 | |
| **Compressive Strength** | 81.8 MPa | | EN 722-1 | |
| **Compressive Strength** | 90.7 MPa (56 cycles) after freeze thaw | | EN 722-1 | |
| **Water Absorption at atmospheric pressure** | 9.3% by mass | | BSEN 13755 | |
| **Water Absorption by Capillarity** | 67.5 | | EN 722-11 | |
| **Open Porosity** | 23.6% | | BS EN 1936 | |
|  |  | |  | |
| **Slip Resistance** | 79 Dry 79 Wet | | BSEN 14231 | |
| **Abrasion Resistance** | 24.5mm | | BS EN 14151 | |
| **Flexural Strength under conc. load:** | 7.5 MPa perpendicular to bed  5.1 MPa (56 Cycles) perpendicular after freeze thaw | | BSEN 12372  BSEN 12372 | |
| **Flexural Strength under conc. Load:** | 8.6 MPa parallel to bed  9.9 MPa (14 Cycles) parallel to bed after freeze thaw  7.7 MPa (20 Cycles) parallel to bed after thermal shock | | BSEN 12372  BSEN 12372  BSEN 12372 | |
| **Breaking load at Dowel hole** | 2350 N | | 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 600H | |  | |

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

**Cadeby Beds 11-13**

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