



FORTICRETE[®]
innovators in walling & cast stone[™]

CAST STONE DATA SHEET 5—TECHNICAL DATA

All Cast Stone including special colours is Kite Marked to BS 1217:1997 and conforms to the United Kingdom Cast Stone Association specification.

All Forticrete Cast Stone Manufacturing Facilities are BSI Registered for the following:-
BS EN ISO 9001:2000—Quality Management System
BS EN ISO 14001:2004—Environmental Management System

TECHNICAL DATA

Compressive Strength

Cube Compressive Strength > 25MPa
Design Potential Cube Compressive Strength > 35MPa

Density

Typical Material Density 2100 Kg/m³

Weathering Class / Capillary Absorption Test

Cast Stone will weather in much the same way as Natural Stone in similar circumstances.
Typical Capillary Absorption. 0.2 mg/mm²

Thermal Conductivity 'K'

Exposed 1.56 W/mK
Protected 1.46 W/mK

Dimensional Tolerances

0 – 600 mm ± 2 mm
601 – 1000 mm ± 3 mm
1001 – 2500 mm ± 4 mm
2501 – 4000 mm ± 5 mm

Handling Reinforcement and Fixings

All units over 600 mm in length will contain one or more handling bars.

Some Units can incorporate dovetail slots to restrain lateral movement—design by others.

Sockets may be incorporated in some units to assist in handling during manufacturing and should not be relied on for fixing.

Mortar

Guidance on the use of Mortar used for the Installation of Cast Stone can be obtained from the Forticrete Cast Stone Data Sheet 4—Mortars, but in no case should it be stronger than Designation iii (1 : 1 : 6).

Control Joints

Control Joints for Cast Stone blockwork should be spaced at a maximum of 6m centres.



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