



CREETON QUARRY
COUNTHORPE, GRANTHAM, LINCOLNSHIRE. NG33 4QG
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CREETON BANDED LIMESTONE

Petrographic Description and Mineral Examination:

Creeton Banded limestone is pale cream in colour, very dense but scratched easily, with some grains densely packed with fossil fragments, some of which measured 10mm in length. The constituents were held in a sparite cement. The sample readily absorbed water in the drop test.

The stone consisted principally of micritic ooliths, most of which showed traces of a concentric structure. The size was typically 1mm down, with many centred around a seed of a broken fossil fragment or sparite.

Sorting is generally poor, but packing is dense, with many ooliths showing signs of distortion due to compaction. There are many fine iron mineral grains throughout the stone often giving rise to localised discolouration due to iron oxides/hydroxides. Some pore spaces remain but most are filled with a coarse sparite cement which after staining confirmed the carbonate composition as calcite.

Block Dimensions/Weight:

- Bed Height: 300mm – 800mm Weight: Upto 10 Tons
- Block Length: Upto 2500mm
- Block Width: Upto 1500mm

*BRE Test Data:

Open Porosity	BSEN 1936	12.7	% BY VOL.
Apparent Density	BSEN 1936	2370	Kg.m-3
Water Absorption [Atmospheric Pressure]	BSEN 13755	6.6	%
Water Absorption [by Capillarity]	BSEN 772 – 11	98	g.m-2.S-0.5
Compressive Strength	BSEN 772 – 11	31.1	MPa
Frost Resistance	BSEN 12371	3	56 Cycles
Thermal Conductivity [10 dry units]	BSEN 1745	2.3	W[m.k]-1
Specific Heat Capacity	BSEN 1745:2012	1000	J/[kgK]

****All comprehensive British and European Standards test data and declaration of performance for CE Marking application are available on request.***

To discuss Block Stone please contact us using the information above and below.