



**CREETON QUARRY**  
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### CREETON HARD WHITE

**Petrographic Description and Mineral Examination:**

Creeton Hard White limestone is pale cream in colour with some grains exhibiting a slightly darker orange colour. The fabric was dominantly Oolitic with a few broken bioclastic fragments visible. Most constitutes appeared to be micritic and held within a sparite cement.

In thin section the stone is dominated primarily of ooliths up to 2mm wide and peloids. Many were seeded with this comprising a fossil fragment or intraclast, and showed a concentric structure. Composition was micritic with many showing fine iron grains within their texture. Elongate and broken fragments of bivalve fossils were also noted with these often consisting of fibrous calcite with micritic margins.

A low level of compaction has been observed with finer fragments and ooliths infilling between coarser particles. A coarse sparite cement enclosed all the constituents with only very few open pore spaces remaining. Based on the mineralogy identified the limestone has been given the classification of Oolitic Limestone.

**Block Dimensions/Weight:**

- Bed Height: 300mm – 1000mm      Weight: Upto 16 Tons
- Block Length: Upto 3000mm
- Block Width: Upto 1500mm

**\*BRE Test Data:**

Open Porosity	BSEN 1936	19.5	% BY VOL.
Apparent Density	BSEN 1936	2180	Kg.m-3
Water Absorption [Atmospheric Pressure]	BSEN 13755	8.2	%
Water Absorption [by Capillarity]	BSEN 772 – 11	135	g.m-2.S-0.5
Compressive Strength	BSEN 772 – 11	22	MPa
Frost Resistance	BSEN 12371	3	56 Cycles
Thermal Conductivity [10 dry units]	BSEN 1745	1.7	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.