



CREETON QUARRY  
COUNTHORPE, GRANTHAM, LINCOLNSHIRE. NG33 4QG  
TEL: 01780 41020 EMAIL: [info@jggroup.co.uk](mailto:info@jggroup.co.uk)

## CREETON SILVERBED

### Petrographic Description and Mineral Examination:

Creeton Silverbed limestone is a very dense pale cream colour consisting primarily of ooliths and generally fossil fragments within a calcium carbonate cement. Small grains of iron minerals are present and occasionally seen along with a colourless cement. Some of the fossil fragment appear to have a high iron content and there is no visible orientation to the components within the sample and a moderate rate of water absorption during the drop test.

In thin section the stone is dominated primarily of ooliths and peloids. These are typically circular or ovoid in shape with many showing a degree of concentric structure. Some showed iron rich grains to be present with some local discolouration. These were generally micritic, with a seed consisting of quartz grain or lithoclasts/sediment fragments.

Only low levels of compaction have been observed with Ooliths showing negligible distortion. Other bioclastic elements are also present along with bivalves and bryozoans. Finer particles and fossil fragments often occur in patches but all constituents are evenly sorted and held within a coarse sparite cement. Based on the mineralogy identified the limestone has been given the classification of Oolitic Limestone.

### Block Dimensions/Weight:

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

### \*BRE Test Data:

Open Porosity	BSEN 1936	14.3	% BY VOL.
Apparent Density	BSEN 1936	2320	Kg.m-3
Water Absorption [Atmospheric Pressure]	BSEN 13755	5.9	%
Water Absorption [by Capillarity]	BSEN 772 – 11	92	g.m-2.S-0.5
Compressive Strength	BSEN 772 – 11	37.9	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.