

# KIRTON CONCRETE SERVICES LTD

## INDEPENDENT TESTING LABORATORY

MANOR HOUSE, STATION ROAD, HIBALDSTOW, BRIGG. DN20 9EB

TEL: 01652 656931 EMAIL: [KIRTONLAB@AOL.COM](mailto:KIRTONLAB@AOL.COM)



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### TEST RESULTS

Client :- TITAN CEMENT LTD. HULL  
Report reference :- TITAN  
Weekly reference :- Week 35 /2016  
Sample :- ORDINARY PORTLAND CEMENT  
Sand :- FRENCH  
Date received :- 31 August 2016  
Date of tests :- 31 August 2016 to 28 September 2016

### Results

FINENESS 4110 cm<sup>2</sup>/g (BSEN 196-6:2010)  
STANDARD CONSISTANCE 30.0 % (BSEN 196-3:2005)  
INITIAL SETTING TIME 180 mins (BSEN 196-3:2005)

### COMPRESSIVE STRENGTH:- mortar prisms (BSEN 196-1:2005)

AT 2 DAYS 32.0 Mpa ( Mean of 6 results, none discarded)  
AT 7 DAYS 50.7 Mpa ( Mean of 6 results, none discarded)  
AT 28 DAYS 69.4 Mpa ( Mean of 6 results, none discarded)

### CHEMICAL COMPOSITION:- by mass, as received

Chloride 0.01 % (BSEN 196-2:2013)  
Average Chloride 0.02 Last 25 results  
Na<sup>2</sup>O 0.12 % (BSEN 196-2:2013)  
K<sup>2</sup>O 0.52 % (BSEN 196-2:2013)  
Na<sup>2</sup>O (equiv ) 0.46 % (BSEN 196-2:2013)  
Na<sup>2</sup>O Average Alkali's 0.47 Last 25 results

End of Report

THE ABOVE RESULTS COMPLY WITH THE REQUIREMENTS OF  
BS EN 197-1:2011 FOR CEM 1 52.5N

Signed.....

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J.M. Burton

Quality Manager

S. Burton

Technical Manager