

# KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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## CEMENT TEST RESULTS

Client :- TITAN CEMENT LTD., HULL  
Report Reference :- TITAN 6046  
Week reference :- TITAN 46 2015  
Sample :- ORDINARY PORTLAND CEMENT  
Sand :- FRENCH  
Date of receipt of sample :- 18/11/2015  
Date of tests :- 18/11/2015 to 16/12/2015  
Date of Report :- 16/12/2015

### RESULTS

FINENESS 3990 cm<sup>2</sup>/g (BS EN196 PART 6:2010)  
STANDARD CONSISTENCE 28.5 % (BS EN196 PART 3:2005)  
INITIAL SETTING TIME 180 mins (EN196 PART 3:2005)

### COMPRESSIVE STRENGTH :- MORTAR PRISMS

AT 2 DAYS 32.0 MPa (Mean of 6 results, none discarded)  
AT 7 DAYS 49.8 MPa (Mean of 6 results, none discarded)  
AT 28 DAYS 63.0 MPa (Mean of 6 results, none discarded)

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

Chloride 0.03 % (EN196 PART2:2013)  
Average Chloride 0.02 last 25 Results  
Na<sub>2</sub>O 0.15 % (EN196 PART2:2013)  
K<sub>2</sub>O 0.50 % (EN196 PART2:2013)  
Na<sub>2</sub>O (equiv) 0.48 % (EN196 PART2:2013)  
Na<sub>2</sub>O Average Alkalis 0.52 last 25 Results EN197-1:2000 N.B.4.3

End of Report

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

Signed

Certificate signed by:  
S. Burton A.M.I.C.T.  
Technical Manager

J.M. Burton  
Quality Manager

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