

# KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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## TEST RESULTS

Client :- TITAN CEMENT LTD. HULL  
Report reference :- TITAN  
Weekly reference :- Week 20 /2016  
Sample :- ORDINARY PORTLAND CEMENT  
Sand :- FRENCH  
Date received :- 17 May 2016  
Date of tests :- 17 May 2016 to 14 June 2016

### Results

FINENESS	3990 cm <sup>2</sup> /g	(BSEN 196-6:2010)
STANDARD CONSISTANCE	29.0 %	(BSEN 196-3:2005)
INITIAL SETTING TIME	185 mins	(BSEN 196-3:2005)
COMPRESSIVE STRENGTH:- mortar prisms		(BSEN 196-1:2005)
AT 2 DAYS	35.4 Mpa	( Mean of 6 results, none discarded)
AT 7 DAYS	50.6 Mpa	( Mean of 6 results, none discarded)
AT 28 DAYS	65.9 Mpa	( Mean of 6 results, none discarded)

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

Chloride	0.02 %	(BSEN 196-2:2013)
Average Chloride	0.03 Last 25 results	
Na <sup>2</sup> O	0.13 %	(BSEN 196-2:2013)
K <sup>2</sup> O	0.50 %	(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.....  
J.M. Burton Quality Manager