

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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TEST RESULTS

Client :- TITAN CEMENT LTD. HULL
Report reference :- TITAN
Weekly reference :- Week 47 /2016
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 22-Nov-16
Date of tests :- 22-Nov-16 to 20 December 2016

Results

FINENESS	3990 cm ² /g	(BSEN 196-6:2010)
STANDARD CONSISTANCE	30.0 %	(BSEN 196-3:2005)
INITIAL SETTING TIME	170 mins	(BSEN 196-3:2005)

COMPRESSIVE STRENGTH:- mortar prisms

(BSEN 196-1:2005)

AT 2 DAYS	30.7 Mpa	(Mean of 6 results, none discarded)
AT 7 DAYS	45.4 Mpa	(Mean of 6 results, none discarded)
AT 28 DAYS	63.8 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 ² O	0.10 %	(BSEN 196-2:2013)
K ² O	0.51 %	(BSEN 196-2:2013)
Na ² O (equiv)	0.44 %	(BSEN 196-2:2013)
Na ² O Average Alkali's	0.46 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