

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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TEST RESULTS

Client :- TITAN CEMENT LTD. HULL
Report reference :- TITAN
Weekly reference :- Week 41 /2016
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 10-Oct-16
Date of tests :- 10-Oct-16 to 07 November 2016

Results

FINENESS 3990 cm²/g (BSEN 196-6:2010)
STANDARD CONSISTANCE 30.5 % (BSEN 196-3:2005)
INITIAL SETTING TIME 150 mins (BSEN 196-3:2005)

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

AT 2 DAYS 31.2 Mpa (Mean of 6 results, none discarded)
AT 7 DAYS 46.3 Mpa (Mean of 6 results, none discarded)
AT 28 DAYS 67.1 Mpa (Mean of 6 results, none discarded)

CHEMICAL COMPOSITION:- by mass, as received

Chloride 0.01 % (BSEN 196-2:2013)
Average Chloride 0.01 Last 25 results
Na²O 0.12 % (BSEN 196-2:2013)
K²O 0.53 % (BSEN 196-2:2013)
Na²O (equiv) 0.47 % (BSEN 196-2:2013)
Na²O 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