

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 2017
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 10-Oct-17
Date of tests :- 10-Oct-17 to 07-Nov-17

All results are based on sample received from the client

FINENESS 4470 cm²/g (BSEN 196-6:2010)
STANDARD CONSISTANCE 30.0 % (BSEN 196-3:2016)
INITIAL SETTING TIME 148 mins (BSEN 196-3:2016)

COMPRESSIVE STRENGTH:- mortar prisms (BSEN 196-1:2016)

AT 2 DAYS 32.4 Mpa (Mean of 6 results, none discarded)
AT 7 DAYS 51.4 Mpa (Mean of 6 results, none discarded)
AT 28 DAYS 69.5 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 0.11 % (BSEN 196-2:2013)
K₂O 0.53 % (BSEN 196-2:2013)
Na₂O (equiv) 0.46 % (BSEN 196-2:2013)
Na₂O Average Alkali's 0.44 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