

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

MANOR HOUSE, STATION ROAD, HIBALDSTOW, BRIGG. DN20 9EB

TEL: 01652 656931 EMAIL: KIRTONLAB@AOL.COM



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TEST RESULTS

Client :- TITAN CEMENT LTD. HULL
Report reference :- TITAN
Weekly reference :- Week 44 2018
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 31-Oct-18
Date of tests :- 31-Oct-18 to 28-Nov-18

All results are based on sample received from the client

FINENESS 4160 cm²/g (BSEN 196-6:2010)
STANDARD CONSISTANCE 29.0 % (BSEN 196-3:2016)
INITIAL SETTING TIME 183 mins (BSEN 196-3:2016)

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

AT 2 DAYS 32.7 Mpa (Mean of 6 results, none discarded)
AT 7 DAYS 50.5 Mpa (Mean of 6 results, none discarded)
AT 28 DAYS 66.9 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 0.17 % (BSEN 196-2:2013)
K₂O 0.58 % (BSEN 196-2:2013)
Na₂O (equiv) 0.55 % (BSEN 196-2:2013)
Na₂O Average Alkali's 0.54 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