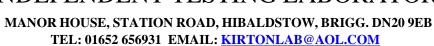
KIRTON CONCRETE SERVICES LTD INDEPENDENT TESTING LABORATORY





1175

TEST RESULTS

Client :- TITAN CEMENT LTD. HULL

Report reference :- TITAN

Weekly reference :- Week 37 /2017

Sample :- ORDINARY PORTLAND CEMENT

Sand :- FRENCH

Date received :- 12-Sep-17

Date of tests :- 19-Sep-17 to 17-Oct-17

Results

FINENESS 3980 cm²/g (BSEN 196-6:2010)

STANDARD CONSISTANCE 29.5 % (BSEN 196-3:2016)

INITIAL SETTING TIME 159 mins (BSEN 196-3:2016)

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

AT 2 DAYS 33.3 Mpa (Mean of 6 results, none discarded)

AT 7 DAYS 48.8 Mpa (Mean of 6 results, none discarded)

AT 28 DAYS 65.4 Mpa (Mean of 6 results, none discarded)

CHEMICAL COMPOSITION:- by mass, as received

Chloride 0.01 % (BSEN 196-2:2013)

Average Chloride 0.02 Last 25 results

Na O 0.09 % (BSEN 196-2:2013)

K O 0.53 % (BSEN 196-2:2013)

Na O (equiv) 0.44 % (BSEN 196-2:2013)

Na O Average Alkali's 0.42 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..... Page 1 of 1

J.M. Burton Quality Manager

S. Burton **/** Technical Manager