

# KIRTON CONCRETE SERVICES LTD

## INDEPENDENT TESTING LABORATORY

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### TEST RESULTS

Client :- TITAN CEMENT LTD. HULL  
Report reference :- TITAN  
Weekly reference :- Week 45 /2017  
Sample :- ORDINARY PORTLAND CEMENT  
Sand :- FRENCH  
Date received :- 15-Nov-17  
Date of tests :- 15-Nov-17 to 13-Dec-17

### Results

FINENESS 4330 cm<sup>2</sup>/g (BSEN 196-6:2010)  
STANDARD CONSISTANCE 30.0 % (BSEN 196-3:2016)  
INITIAL SETTING TIME 149 mins (BSEN 196-3:2016)

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

AT 2 DAYS 29.3 Mpa ( Mean of 6 results, none discarded)  
AT 7 DAYS 47.0 Mpa ( Mean of 6 results, none discarded)  
AT 28 DAYS 64.6 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<sub>2</sub>O 0.12 % (BSEN 196-2:2013)  
K<sub>2</sub>O 0.52 % (BSEN 196-2:2013)  
Na<sub>2</sub>O (equiv ) 0.46 % (BSEN 196-2:2013)  
Na<sub>2</sub>O 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.....

Page 1 of 1

J.M. Burton

Quality Manager

S. Burton ✓

Technical Manager