

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY



1175

Manor House, Station Road, Hibaldstow, Brigg, North Lincolnshire, DN20 9EB, England

Telephone: (01652) 656931 : Fax: (01652) 651082 : E-mail Kirtonlab@aol.com

CEMENT TEST RESULTS

Client :- TITAN CEMENT LTD., HULL
Report Reference :- TITAN 7002
Week reference :- TITAN 2 2016
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date of receipt of sample :- 12/01/2016
Date of tests :- 12/01/2016 to 09/02/2016
Date of Report :- 22/02/2016

RESULTS

FINENESS 3970 cm²/g (BS EN196 PART 6:2010)
STANDARD CONSISTENCE 28.5 % (BS EN196 PART 3:2005)
INITIAL SETTING TIME 180 mins (EN196 PART 3:2005)

COMPRESSIVE STRENGTH :- MORTAR PRISMS

(EN196 PART 1:2005)

AT 2 DAYS 31.7 MPa (Mean of 6 results, none discarded)
AT 7 DAYS 49.6 MPa (Mean of 6 results, none discarded)
AT 28 DAYS 64.1 MPa (Mean of 6 results, none discarded)

CHEMICAL COMPOSITION :- by mass, as received

Chloride 0.02 % (EN196 PART2:2013)
Average Chloride 0.02 last 25 Results
Na₂O 0.15 % (EN196 PART2:2013)
K₂O 0.52 % (EN196 PART2:2013)
Na₂O (equiv) 0.49 % (EN196 PART2:2013)
Na₂O Average Alkalis 0.51 last 25 Results EN197-1:2000 N.B.4.3

End of Report

THE ABOVE RESULTS COMPLY WITH THE REQUIREMENTS OF
BS EN 197-1:2011 FOR CEM 1 52.5 N

Signed

Certificate signed by:
S.Burton A.M.I.C.T
Technical Manager

J.M. Burton
Quality Manager

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CEMENT TEST RESULTS

Client :- TITAN CEMENT LTD., HULL
Report Reference :- TITAN 7003
Week reference :- TITAN 3 2016
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date of receipt of sample :- 21/01/2016
Date of tests :- 21/01/2016 to 18/02/2016
Date of Report :- 22/02/2016

RESULTS

FINENESS 3900 cm²/g (BS EN196 PART 6:2010)
STANDARD CONSISTENCE 28.5 % (BS EN196 PART 3:2005)
INITIAL SETTING TIME 185 mins (EN196 PART 3:2005)

COMPRESSIVE STRENGTH :- MORTAR PRISMS

(EN196 PART 1:2005)

AT 2 DAYS 34.0 MPa (Mean of 6 results, none discarded)
AT 7 DAYS 51.0 MPa (Mean of 6 results, none discarded)
AT 28 DAYS 62.2 MPa (Mean of 6 results, none discarded)

CHEMICAL COMPOSITION :- by mass, as received

Chloride 0.03 % (EN196 PART2:2013)
Average Chloride 0.02 last 25 Results
Na₂O 0.15 % (EN196 PART2:2013)
K₂O 0.52 % (EN196 PART2:2013)
Na₂O (equiv) 0.49 % (EN196 PART2:2013)
Na₂O Average Alkalis 0.51 last 25 Results EN197-1:2000 N.B.4.3

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