

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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TEST RESULTS

Client :- TITAN CEMENT LTD. HULL
Report reference :- TITAN 81
Ship reference :- "11-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 10-Nov-20
Date of tests :- 10-Nov-20 to 08-Dec-20

All results are based on sample received from the client

DENSITY	3080 kg/m ³	(BSEN 196-6:2018 N.AC. 5.3)
FINENESS	4370 cm ² /g	(BSEN 196-6:2018)
STANDARD CONSISTANCE	29.5 %	(BSEN 196-3:2016)
INITIAL SETTING TIME	173 mins	(BSEN 196-3:2016)
SOUNDNESS	1.0 mm	(BSEN 196-3:2016)

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

AT 2 DAYS	31.6 Mpa	(Mean of 6 results, none discarded)
AT 7 DAYS	48.5 Mpa	(Mean of 6 results, none discarded)
AT 28 DAYS	65.7 Mpa	(Mean of 6 results, none discarded)

CHEMICAL COMPOSITION:- % by mass, as received

K ₂ O	0.58 %	(BSEN 196-2:2013)
Na ₂ O	0.13 %	(BSEN 196-2:2013)
Na ₂ O(eq)	0.51 %	(BSEN 196-2:2013)
Chloride	0.07 %	(BSEN 196-2:2013)

End of Report

Signed.....

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Date 08/12/2020

J.M. Burton Quality Manager

S. Burton Technical Manager