

TEST REPORT

Report No.: W1/22/07
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Date of Issued: 15 November 2022
Client: Green Island Cement Company Limited - Sales Department
Date Sample Received: 21 September 2022
Date Test Commenced: 22 September 2022
Date Test Completed: 15 November 2022

Sample Description:

Client's Sample Identification: Green Island (White Portland Cement with sample code 19AUG222020 and comply with BS EN197-1:2000 and BS EN197-1:2011 CEM I Strength class 52.5N)
Our Lab. No.: WC220819

<u>Test</u>	<u>Test Methods</u>	<u>Result</u>						
1. Compressive strength (MPa)	BS EN 196-1 : 2016	Set 1	Set 2	Set 3	Set 4	Set 5	Set 6	Average
Mortar prism		32.2	33.0	33.5	33.4	33.6	34.0	33.3
2 days		49.8	48.8	48.8	49.5	47.0	47.6	48.6
7 days		58.5	59.0	60.4	60.9	61.2	59.6	59.9
28 days								
2. Density (kg/m ³)	BS EN 196-6 : 2010 Annex NC	Trial 1: 3077		Trial 2: 3074		Average: 3080		
3. Fineness:	Specific surface	322 m ² /kg						
	Bed porosity	0.500						
4. Setting Time	Initial setting	130 mins.						
	Final setting	165 mins.						
5. Soundness	BS EN 196-3 : 2016 Cl. 7	1 mm						
6. Chemical composition of cement								
Sulfate as SO ₃	BS EN 196-2 : 2013 Cl. 4.4.2	3.22 %						
Loss on Ignition	BS EN 196-2 : 2013 Cl. 4.4.1	3.06 %						
Chloride content	BS EN 196-2 : 2013 Cl. 4.5.16	0.01 %						
Residue insoluble in HCl and Na ₂ CO ₃	BS EN 196-2 : 2013 Cl. 4.4.3	<0.2 %						

Remark: 1. Results relate only to the item tested.
2. Sampling is performed by laboratory technician and sampling procedure is not accredited by HKAS.
3. Loss on ignition showing in this report is the observed loss on ignition.

Form 4Ah (06/13)

Certified by: 
Approved Signatory: Ng Lap Man Franco
Laboratory Superintendent

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