

TEST REPORT

Report No.: W1/25/02
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Date of Issued: 07 April 2025
Client: Green Island Cement Company Limited - Sales Department
Date Sample Received: 03 March 2025
Date Test Commenced: 10 March 2025
Date Test Completed: 07 April 2025


Sample Description:

Brand Name: Green Island White Portland Cement
Client's Sample Identification: White Portland Cement with sample code 05FEB250530 and comply with BS EN197-1:2000 and BS EN197-1:2011 CEM I Strength class 52.5N
Our Lab. No.: WC250205

<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		33.8	35.1	34.0	33.2	34.2	34.2	34.1
2 days		47.5	49.3	46.2	47.0	48.0	48.5	47.8
7 days		57.7	58.6	57.2	59.2	58.3	59.8	58.5
28 days								
2. Density (kg/m ³)	BS EN 196-6 : 2010 Annex NC	Trial 1: 3041		Trial 2: 3042		Average: 3040		
3. Fineness:	Specific surface	364 m ² /kg						
	Bed porosity	0.500						
4. Setting Time	Initial setting	135 mins.						
	Final setting	180 mins.						
5. Soundness	BS EN 196-3 : 2016 Cl. 6	0 mm						
	BS EN 196-3 : 2016 Cl. 7							
6. Chemical composition of cement								
Sulfate as SO ₃	BS EN 196-2 : 2013 Cl. 4.4.2	3.31 %						
Loss on Ignition	BS EN 196-2 : 2013 Cl. 4.4.1	3.47 %						
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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