

**TEST REPORT**


**Report No.:** E4/1153  
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**Date of Issued:** 01 February 2012  
**Client:** Green Island Cement Company Limited - Sales Department  
**Date Sample Received:** 31 December 2011  
**Date Test Commenced:** 03 January 2012  
**Date Test Completed:** 31 January 2012

**Sample Description:**

**Brand Name:** Jade Brand, PFAC, 25% flyash addition  
**Client's Sample Identification:** Cement comply with BS EN197-1 : 2000 Portland-fly Ash Cement Type CEM II/B-V strength class 42.5N and dispatched on 31 December 2011  
**Our Lab. No.:** 68858

<u>Test</u>	<u>Test Methods</u>	<u>Result</u>							
1. Compressive strength (N/mm <sup>2</sup> ) Mortar prism	BS EN 196-1 : 1995	Set 1	Set 2	Set 3	Set 4	Set 5	Set 6	Average	
		2 days	17.7	16.8	17.5	17.0	17.7	17.0	17.3
		7 days	32.1	30.4	31.9	30.2	31.9	29.7	31.0
		28 days	48.3	49.2	48.4	47.5	48.1	47.9	48.2
2. Density (kg/m <sup>3</sup> )	BS EN 196-6 : 1992 Annex NC	Trial 1:	2930	Trial 2:	2931	Average:		2930	
3. Fineness: Specific surface	BS EN 196-6 : 1992 Cl. 4	3570 cm <sup>2</sup> /g							
		Bed porosity		0.500					
4. Setting Time	Initial setting	BS EN 196-3 : 1995 Cl. 6	175 mins.						
	Final setting	BS EN 196-3 : 1995 Cl. 6	210 mins.						
5. Soundness	BS EN 196-3 : 1995 Cl. 7	0.5 mm							
6. Standard Consistence	BS EN 196-3 : 1995 Cl. 5	27.0 %							
7. Total sulphur content as SO <sub>3</sub>	BS EN 196-2 : 1995 Cl. 8	2.46 %							
8. Chloride content	BS EN 196-21 : 1992 Cl. 4	0.01 %							
9. Observed Loss on Ignition	BS EN 196-2 : 1995 Cl. 7	1.51 %							

**Remark:** 1. Results relate only to the item tested.  
 2. Sampling is performed by laboratory technician and sampling procedure is not accredited by HKAS.

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