

## TEST REPORT

**Report No.:** P3hp/2502  
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**Date of issued:** 11 March 2025  
**Client:** Green Island Cement Company Limited - Sales Department  
**Date sample received:** 09 February 2025  
**Date test commenced:** 11 February 2025  
**Date test completed:** 11 March 2025

### Sample Description:

Brand Name: Pulverized Fuel Ash from Green Island Cement Company Limited (Country of Origin: Hong Kong)  
Client's sample identification: PFA dispatch during week ending 8 February 2025  
Our Lab. No.: 01262


### Test Result:

<u>Test</u>	<u>Test Methods</u>	<u>Result</u>	<u>Requirement of BS 3892 : Part 1 : 1997</u>
Fineness	BS 3892 : Part 1 : 1997 Annex D	<b>9.3</b> %	not more than 12.0%
Density	BS EN 196-6: 1992 Annex NC	Trial 1: <b>2352</b> kg/m <sup>3</sup> Trial 2: <b>2348</b> kg/m <sup>3</sup> Average: <b>2350</b> kg/m <sup>3</sup>	not less than 2000 kg/m <sup>3</sup>
Initial Setting Time	BS EN 196-3: 2016 Cl. 6	<b>175</b> mins	not less than Portland cement
Initial Setting Time *		<b>145</b> mins	
Soundness	BS EN 196-3: 2016 Cl. 7	<b>0</b> mm	not more than 10 mm
Soundness *		<b>1</b> mm	
Strength Factor	BS 3892 : Part 1 : 1997 Annex F	<b>0.87</b>	not less than 0.8 #
Compressive strength at 28 days *		<b>60.1</b> N/mm <sup>2</sup>	
Water Requirement	BS 3892 : Part 1 : 1997 Annex E	<b>98</b> %	not greater than 95% #

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. \* means the results are for Portland cement alone with Lab. no. 01157. The Portland cement which was used for the testing BS EN 196-1 and BS EN 196-3 is manufactured by Green Island Cement Co. Ltd. located at Tap Shek Kok, Tuen Mun, N.T.

Interpretation: 1. # means the requirement for strength factor and water requirement are not required by the CEDD "General Specification for Civil Engineering Works" 2020 Edition Volume 2 clause 16.07 and Hong Kong Housing Authority Specification Library (SL) 2018 Edition clause CON1.M150.7.

Form P3h (06/13)

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

-- End of Report --