

CERTIFICATE OF ANALYSIS

**CERTIFICATE No.** 1174-18  
**TEST CERTIFICATE FOR:** Flyash Blend 25  
**PRODUCED AT:** Sunstate Cement Ltd, Port of Brisbane  
**SAMPLE IDENTIFICATION:** Spot Despatch Sample sample F6P-001191 sampled on 9/7/2018  
**SAMPLE TESTED AT:** Sunstate Cement Ltd, Port of Brisbane

SPECIFIED PROPERTY	TEST METHOD	AS3972 REQUIREMENTS		RESULT
Compressive strength	AS2350.11, AS2350.12			
3 day				30.7 MPa
7 day		Minimum	20 MPa	41.8 MPa
28 day		Minimum	35 MPa	57.2 MPa
Setting time	AS2350.4			
Initial		Minimum	45 mins	105 mins
Final		Maximum	600 mins	195 mins
Soundness	AS2350.5	Maximum	5 mm	0 mm
Sulphuric anhydride (SO <sub>3</sub> )	In House	Maximum	3.5 %	1.5 %

REPORTABLE PROPERTY	TEST METHOD			RESULT
Loss on ignition	AS2350.2			1.7 %
Fineness	AS2350.8			400 m <sup>2</sup> /kg
Chloride	AS3583.13			0.0078 %

OTHER PROPERTIES	TEST METHOD			RESULT
Normal Consistency	In House			31.6 %

**SAMPLING PROCEDURE:** Cement samples obtained according to the requirements of AS2350.1

**REMARKS:** The results of the above tests relate only to the sample as described above.  
The blended cement is produced with a nominal 25% fly ash content.



**G Santaguiliana**  
**Approved Signatory**  
**16-Aug-2018**

