



# Sunstate Cement Ltd.

## CERTIFICATE OF ANALYSIS

**CERTIFICATE No.** 2110-18  
**TEST CERTIFICATE FOR:** Aalwhite  
**PRODUCED AT:** Sunstate Cement Ltd, Port of Brisbane  
**SAMPLE IDENTIFICATION:** Spot Despatch Sample sample B6P-000128 sampled on 19/11/2018  
**SAMPLE TESTED AT:** Sunstate Cement Ltd, Port of Brisbane

SPECIFIED PROPERTY	TEST METHOD	AS3972 REQUIREMENTS		RESULT
Compressive strength	AS2350.11, AS2350.12			
3 day				24.9 MPa
7 day		Minimum	20 MPa	40.0 MPa
28 day		Minimum	35 MPa	56.4 MPa
Setting time	AS2350.4			
Initial		Minimum	45 mins	120 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 %	1.9 %

REPORTABLE PROPERTY	TEST METHOD			RESULT
Loss on ignition	AS2350.2			0.8 %
Fineness	AS2350.8			450 m <sup>2</sup> /kg
Chloride	AS3583.13			0.0027 %

OTHER PROPERTIES	TEST METHOD			RESULT
Normal Consistency	In House			33.4 %

**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.

**G Santaguiliana**  
**Approved Signatory**  
**3-Jan-2019**

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A.B.N. 58 010 421 879  
POSTAL ADDRESS: PO BOX 350, WYNNUM, QLD. 4178  
PHONE: (07) 3895 9800 FAX: (07) 3895 9801



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