



# Sunstate Cement Ltd.

## CERTIFICATE OF ANALYSIS

**CERTIFICATE No.** 1958-18  
**TEST CERTIFICATE FOR:** Sunlite  
**PRODUCED AT:** Sunstate Cement Ltd, Port of Brisbane  
**SAMPLE IDENTIFICATION:** Spot Despatch Sample sample L6P-001229 sampled on 30/10/2018  
**SAMPLE TESTED AT:** Sunstate Cement Ltd, Port of Brisbane

| SPECIFIED PROPERTY                     | TEST METHOD          | AS3972 REQUIREMENTS | RESULT   |
|--|----------------------|---------------------|----------|
| Compressive strength                   | AS2350.11, AS2350.12 |                     |          |
| 3 day                                  |                      | Minimum 25 MPa      | 42.4 MPa |
| 7 day                                  |                      | Minimum 40 MPa      | 53.1 MPa |
| 28 day                                 |                      |                     | 65.1 MPa |
| Setting time                           | AS2350.4             |                     |          |
| Initial                                |                      | Minimum 45 mins     | 90 mins  |
| Final                                  |                      | Maximum 360 mins    | 150 mins |
| Soundness                              | AS2350.5             | Maximum 5 mm        | 0 mm     |
| Sulphuric anhydride (SO <sub>3</sub> ) | In House             | Maximum 3.5 %       | 3.2 %    |

| REPORTABLE PROPERTY | TEST METHOD | RESULT                 |
|---------------------|-------------|------------------------|
| Loss on ignition    | AS2350.2    | 3.7 %                  |
| Fineness            | AS2350.8    | 430 m <sup>2</sup> /kg |
| Chloride            | AS3583.13   | 0.0077 %               |

| OTHER PROPERTIES   | TEST METHOD | RESULT |
|--------------------|-------------|--------|
| Normal Consistency | In House    | 28.8 % |

**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**  
**10-Dec-2018**



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