

Certificate Of Analysis

Certificate Number: **0104-21** Issue Number: **1** Issue Date: **26/03/2021 3:10:36 PM**
 Test Certificate for: **Flyash Blend 25**
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Sample Identification: **Spot Despatch Sample F6P-001455 dated 22/02/2021**
 Sample Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**

| SPECIFIC PROPERTY | TEST METHOD | AS3972 REQUIREMENTS | RESULT |
|---|----------------------|---------------------|-----------------------------|
| Compressive strength | AS2350.11, AS2350.12 | | |
| 3 Day | | | 30.7 MPa |
| 7 Day | | Minimum 35 MPa | 41.7 MPa |
| 28 Day | | Minimum 45 Mpa | 59.8 MPa |
| Setting Time | AS2350.4 | | |
| Initial | | Minimum 45 mins | 90 mins |
| Final | | Maximum 360 mins | 195 mins |
| Soundness | AS2350.5 | Maximum 5 mm | 1 mm |
| Sulphuric anhydride (SO₃) | In House | Maximum 3.5 % | 2.1 % |
| Chloride | AS3583.13 | Maximum 0.1 % | 0.000 % |
| REPORTABLE PROPERTY | TEST METHOD | | RESULT |
| Loss on ignition | AS2350.2 | | 2.0 % |
| Fineness | AS2350.8 | | 450 m²/kg |
| OTHER PROPERTIES | TEST METHOD | | RESULT |
| Normal Consistency | AS2350.3 | | 31.3 % |

Sampling Procedure:

Samples were prepared in accordance with AS2350.1

Remarks:

- 1 These results only relate to the specimens identified on this report
- 2 The sample as tested conforms to the requirements of AS3972 as Type GB cement
- 3 The blended cement is produced with as nominal 25% fly ash content



NATA accredited
 Laboratory Number: 2191

Accredited for compliance with
 ISO/IEC 17025 Testing



George Santagiuliana
 Approved Signature
 26/03/2021

This certificate replaces previous certificate number 0104-21, issue 0 dated (REASON: Test Data Updated)