

FINAL REPORT

CERTIFICATE No.: 22563



Boral Cement Limited
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TEST CERTIFICATE OF: Berrima Daily Despatch Shrinkage Limited Cement
PRODUCED AT: Boral Cement Limited Berrima
TESTED AT: Berrima Works Laboratory
SAMPLE IDENTIFICATION: BDDSL2101756
DATE DESPATCHED: 10/06/2021

| PROPERTY | REQUIREMENTS OF AS 3972 | | RESULT |
|-----------------------------------|-------------------------|------------------|------------------|
| Compressive Strength (AS 2350.11) | | | |
| 3 Day | | | 34.5 MPa |
| 7 Day | Minimum | 35 MPa | 47.7 MPa |
| 28 Day | Minimum | 45 MPa | 60.6 MPa |
| Setting Time (AS 2350.4) | | | |
| Initial | Minimum | 45 mins | 135 mins |
| Final | Maximum | 600 mins | 195 mins |
| Soundness (AS 2350.5) | Maximum | 5 mm | 1 mm |
| SO ₃ (AS 2350.2) | Maximum | 3.5 % | 2.4 % |
| Cl (AS 2350.2) | Maximum | 0.10 % | 0.02 % |
| Shrinkage (AS 2350.13) | | | |
| 28 Day Mean | Maximum | 750 μ strain | 520 μ strain |

OTHER REPORTABLE PROPERTIES

CHEMICAL

K₂O (AS 2350.2) 0.57 %
Na₂O (AS 2350.2) 0.05 %
LOI (AS 2350.2) 4.1 %

PHYSICAL

Normal Consistency (AS 2350.3) 28.0 %
Fineness Index (AS 2350.8) 375 m²/kg
Autoclave Expansion (ASTM C151) <0.01 %

REMARKS

Preparation of mortar and moulding of specimens in accordance with AS 2350.12.
Sampling not carried out by laboratory. Samples tested as received.
This cement is a Type SL (GP) cement with up to 7.5% limestone mineral addition.



Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accreditation Number: 530 / 531

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Marc Smith
Technical Services Manager
Date of Issue: 23/07/2021