

# FINAL REPORT

CERTIFICATE No.: 22024



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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:** BDDSL2003790  
**DATE DESPATCHED:** 18/12/2020

| PROPERTY                          | REQUIREMENTS OF AS 3972 |                  | RESULT           |
|-----------------------------------|-------------------------|------------------|------------------|
| Compressive Strength (AS 2350.11) |                         |                  |                  |
| 3 Day                             |                         |                  | 36.2 MPa         |
| 7 Day                             | Minimum                 | 35 MPa           | 49.6 MPa         |
| 28 Day                            | Minimum                 | 45 MPa           | 61.8 MPa         |
| Setting Time (AS 2350.4)          |                         |                  |                  |
| Initial                           | Minimum                 | 45 mins          | 120 mins         |
| Final                             | Maximum                 | 600 mins         | 180 mins         |
| Soundness (AS 2350.5)             | Maximum                 | 5 mm             | 1 mm             |
| SO <sub>3</sub> (AS 2350.2)       | Maximum                 | 3.5 %            | 2.5 %            |
| Cl (AS 2350.2)                    | Maximum                 | 0.10 %           | 0.02 %           |
| Shrinkage (AS 2350.13)            |                         |                  |                  |
| 28 Day Mean                       | Maximum                 | 750 $\mu$ strain | 580 $\mu$ strain |

## OTHER REPORTABLE PROPERTIES

| CHEMICAL                      |        |  | PHYSICAL                       |                        |
|-------------------------------|--------|--|--------------------------------|------------------------|
| K <sub>2</sub> O (AS 2350.2)  | 0.53 % |  | Normal Consistency (AS 2350.3) | 27.8 %                 |
| Na <sub>2</sub> O (AS 2350.2) | 0.06 % |  | Fineness Index (AS 2350.8)     | 380 m <sup>2</sup> /kg |
| LOI (AS 2350.2)               | 4.3 %  |  |                                |                        |

## 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  
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