

# FINAL REPORT

CERTIFICATE No.: 23291



Boral Cement Limited  
ABN 62 008 528 523  
Taylor Avenue New Berrima NSW 2577  
Locked Bag 4 New Berrima NSW 2577  
T +61 2 4860 2222  
F +61 2 4860 2257

**TEST CERTIFICATE OF:** Berrima Daily Despatch Shrinkage Limited Cement  
**PRODUCED AT:** Boral Cement Limited Berrima  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** BDDSL2200436  
**DATE DESPATCHED:** 15/02/2022

| PROPERTY                          | REQUIREMENTS OF AS 3972 |                  | RESULT           |
|-----------------------------------|-------------------------|------------------|------------------|
| Compressive Strength (AS 2350.11) |                         |                  |                  |
| 3 Day                             |                         |                  | 35.3 MPa         |
| 7 Day                             | Minimum                 | 35 MPa           | 46.7 MPa         |
| 28 Day                            | Minimum                 | 45 MPa           | 58.5 MPa         |
| Setting Time (AS 2350.4)          |                         |                  |                  |
| Initial                           | Minimum                 | 45 mins          | 150 mins         |
| Final                             | Maximum                 | 600 mins         | 195 mins         |
| Soundness (AS 2350.5)             | Maximum                 | 5 mm             | 1 mm             |
| SO <sub>3</sub> (AS 2350.2)       | Maximum                 | 3.5 %            | 2.7 %            |
| 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

K<sub>2</sub>O (AS 2350.2) 0.57 %  
Na<sub>2</sub>O (AS 2350.2) 0.06 %  
LOI (AS 2350.2) 4.7 %

### PHYSICAL

Normal Consistency (AS 2350.3) 27.7 %  
Fineness Index (AS 2350.8) 415 m<sup>2</sup>/kg

## 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

Page 1 of 1

Marc Smith  
Technical Services Manager  
Date of Issue: 13/04/2022