## **FINAL REPORT**

CERTIFICATE No.: 26176



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

| TEST CERTIFICATE OF:   | <b>EST CERTIFICATE OF:</b> Geelong Daily Despatch General Purpose Bulk Cement |  |
|------------------------|-------------------------------------------------------------------------------|--|
| PRODUCED AT:           | Boral Cement Limited Geelong                                                  |  |
| TESTED AT:             | Berrima Works Laboratory                                                      |  |
| SAMPLE IDENTIFICATION: | GDDGP2402898                                                                  |  |
| DATE DESPATCHED:       | 6/26/2024                                                                     |  |

| PROPERTY                              | REQUIREME | NTS OF AS 3972 | RESULT   |  |  |  |  |  |
|---------------------------------------|-----------|----------------|----------|--|--|--|--|--|
| Compressive Strength (AS/NZS 2350.11) |           |                |          |  |  |  |  |  |
| 3 Day                                 |           |                | 39.3 MPa |  |  |  |  |  |
| 7 Day                                 | Minimum   | 35 MPa         | 48.6 MPa |  |  |  |  |  |
| 28 Day                                | Minimum   | 45 MPa         | 60.8 MPa |  |  |  |  |  |
| Setting Time (AS/NZS 2350.4)          |           |                |          |  |  |  |  |  |
| Initial                               | Minimum   | 45 mins        | 105 mins |  |  |  |  |  |
| Final                                 | Maximum   | 360 mins       | 135 mins |  |  |  |  |  |
| Soundness (AS/NZS 2350.5)             | Maximum   | 5 mm           | 1 mm     |  |  |  |  |  |
| SO <sub>3</sub> (AS 2350.2)           | Maximum   | 3.5 %          | 3.0 %    |  |  |  |  |  |
| CI (AS 2350.2)                        | Maximum   | 0.10 %         | 0.03 %   |  |  |  |  |  |

| OTHER REPORTABLE PROPERTIES |             |        |                    |                 |                        |  |  |
|-----------------------------|-------------|--------|--------------------|-----------------|------------------------|--|--|
| CHEMICAL                    |             |        | PHYSICAL           |                 |                        |  |  |
| K <sub>2</sub> O            | (AS 2350.2) | 0.46 % | Normal Consistency | (AS/NZS 2350.3) | 27.8 %                 |  |  |
| Na <sub>2</sub> O           | (AS 2350.2) | 0.30 % | Fineness Index     | (AS/NZS 2350.8) | 375 m <sup>2</sup> /kg |  |  |
| LOI                         | (AS 2350.2) | 2.0 %  |                    |                 |                        |  |  |
|                             |             |        |                    |                 |                        |  |  |

## REMARKS

Preparation of mortar and moulding of specimens in accordance with AS 2350.12. Sampling not carried out by laboratory. Samples tested as received and results only relate to the item tested. This cement is a Type GP cement with up to 7.5% mineral addition.



Jason Nairn (National Technical Manager) Date of Issue: 7/31/2024

Accredited for compliance with ISO/IEC 17025 - Testing