FINAL REPORT

CERTIFICATE No.: 23510



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: | Maldon Daily Despatch Enviroment |
|------------------------|----------------------------------|
| PRODUCED AT: | Boral Cement Limited Maldon |
| TESTED AT: | Berrima Works Laboratory |
| SAMPLE IDENTIFICATION: | MDDNM2200921 |
| DATE DESPATCHED: | 4/04/2022 |

| PROPERTY | REQUIREMENTS OF AS 3582.2 | RESULT |
|--|---------------------------|------------------------|
| Insoluble Residue (AS 3583.14) | | 0.4 % |
| LOI (AS 3583.3) | | -0.7 % |
| SO ₃ (AS 2350.2; TM 10.01.07) | | 0.3 % |
| MgO (AS 2350.2) | ≤ 15.0 % | 5.8 % |
| Al ₂ O ₃ (AS 2350.2) | ≤ 18.0 % | 13.2 % |
| Fe ₂ O ₃ (AS 2350.2) expressed as FeO * | | 1.0 % 0.9 % |
| Mn ₂ O ₃ (AS 2350.2) expressed as MnO * | | 0.4 % 0.4 % |
| Total Alkali (AS 2350.2) | | 0.4 % |
| CI (AS 2350.2) | ≤ 0.1 % | < 0.01 % |
| 45µm Residue (AS 3583.1) | | 1.4 % |
| Fineness Index (AS 2350.8) | | 410 m ² /kg |

REMARKS

Sampling not carried out by laboratory. Samples tested as received.

* NATA accreditation does not cover the performance of this service.

W

Marc Smith Technical Services Manager

Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accreditation Number: 530 / 531

Date of Issue: 19/05/2022

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Boral Construction Materials Materials Technical Services

BORA

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PO Box 400, Winston Hills NSW 2153

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TEST REPORT - MILLED SLAG

CLIENT: BORAL CEMENT - MALDON CEMENT

ADDRESS: Maldon Bridge Road, Maldon, NSW 2571

LAB SAMPLE NO: 265791

SOURCE OF SAMPLE: Maldon

DATE RECEIVED: 07/04/2022

SAMPLE IDENTIFICATION: Enviroment ID # MDDNM2200921 - w/e 09/04/2022 - Date sampled: 04/04/2022

IDENTIFICATION OF CEMENT USED: Boral Cement SL Berrima Ref. 2019

TEST METHOD: AS 3583: Methods of test for supplementary cementitious materials for use with Portland Cement

| PROPERTY | TEST METHOD | RESULT | DATE TESTED |
|--|--|-------------------------------------|--|
| Fineness by the 45µm sieve Relative density Relative water requirement Relative strength 7 days (accelerated) Relative strength 28 days (standard) | AS 3583.1 AS 3583.5 AS 3583.6 AS 3583.6 AS 3583.6 AS 3583.6 | 99% 2.93 100% 109% 104% | 13/05/2022 13/04/2022 14/04/2022 21/04/2022 12/05/2022 |

Parisa Sowti, Violeta Paicu, Brad Vanderburg, Mat File, File

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Test results in this Test Report relate only to the samples tested.

Note:

• Sample was provided by the client and tested as received.

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Julius Alvaro valo Approved Signa CEM98969.JA.1 24/05/202 Date _ Serial No.



NATA Accredited Laboratory Number: 547

Boral Constru Materials Tec

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FILE NO: 50/22

REQUEST NO: 98969

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TEST REPORT

CLIENT: **BORAL CEMENT - Maldon Cement** Maldon Bridge Road, Maldon, NSW 2571.

Testing of Maldon Enviroment Weekly Sample. PROJECT:

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

| Laboratory Sample No.: | 265791 |
|------------------------|---------------------------------|
| Date Sampled: | 04/04/2022 |
| Date Received: | 07/04/2022 |
| Date Tested: | 27/05/2022 |
| Sample Description: | Enviroment ID # MDDNM2200921 |
| Field No.: | 1 |
| | |

TEST RESULTS:

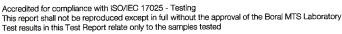
| Sodium as Na ₂ O (%) | 0.07 |
|-----------------------------------|------|
| Potassium as K ₂ O (%) | 0.10 |
| Available Alkali (%) | 0.1 |

Available Alkali (%) = Na_2O (%) + (0.658 x K₂O %) Note:

Sample was provided by the Client and tested as received. .

V.Paicu, B.Vanderburg, P.Sowti, Mat.File, File.

| NATA | | Nanthini Selvadurai |
|---|---|-------------------------------------|
| | Date 30-05-22 Serial No. | |
| ACCREDITED FOR TECHNICAL COMPETENCE | Accredited for compliance with ISO/IEC 17025 - Testing This report shall not be reproduced except in full without the a Test results in this Test Report relate only to the samples teste | pproval of the Boral MTS Laboratory |





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FILE No.:50 / 22

REQUEST No.: 98969

CLIENT: BORAL CEMENT – MALDON CEMENT

Maldon Bridge Road, Maldon, NSW 2571.

PROJECT: Testing of Maldon Enviroment weekly sample.

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

| Laboratory Sample No.: | 265791 |
|------------------------|---------------------------------|
| Date Sampled: | 04/04/2022 |
| Date Received: | 07/04/2022 |
| Date Tested: | 26/04/2022 |
| Sample Description: | Enviroment ID # MDDNM2200921 |
| Field No.: | 1 |

TEST RESULTS:

Sulfide Sulfur as S (%)

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results in this test report relate only to the sample tested.

0.54

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TEST REPORT

Nanthini S 11th May 2022 Violeta Paicu, Brad Vanderburg, Parisa Sowti, Mat.File, File.