



**Boral Construction Materials  
Materials Technical Services**

Unit 4, 3-5 Gibbon Road  
Baulkham Hills NSW 2153 Australia  
PO Box 400, Winston Hills NSW 2153

T: +61 (02) 9624 9900

F: +61 (02) 9624 9999

www.boral.com.au

**TEST REPORT – MILLED SLAG**

**CLIENT:** BORAL CEMENT – MALDON CEMENT  
Address: MALDON BRIDGE ROAD, MALDON, NSW 2571

**FILE NO:** 50/20

**REQUEST NO:** 92634

**LAB SAMPLE NO:** 248064

**SOURCE OF SAMPLE:** Maldon

**DATE RECEIVED:** 10/12/2020

**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2003681 - w/e 12/12/2020 - Date sampled: 07/12/2020

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

**TEST METHOD: AS3583:** Methods of test for supplementary cementitious materials for use with Portland Cement

PROPERTY	TEST METHOD	RESULT	DATE TESTED
Fineness by the 45µm sieve	AS 3583.1	99%	24/12/2020
Relative density	AS 3583.5	2.91	16/12/2020
Relative water requirement	AS 3583.6	100%	17/12/2020
Relative strength 7 days (accelerated)	AS 3583.6	107%	24/12/2020
Relative strength 28 days (standard)	AS 3583.6	98%	14/01/2021

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

**Note:**

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



Approved Signatory Julius C. Alvaro Julius Alvaro  
Date 15/01/2021 Serial No. CEM92634.JA.1

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

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Number: 547



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**TEST REPORT**

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

FILE No.:50/20

PROJECT: Testing of Maldon Environment Weekly Sample.

REQUEST No.: 92634

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 248064  
Date Sampled: 07/12/20  
Date Received: 10/12/20  
Date Tested: 11/01/21  
Sample Description: Environment ID #  
MDDNM2003526  
Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (%) 0.08  
Potassium as K<sub>2</sub>O (%) 0.10  
Available Alkali (%) 0.1

Available Alkali (%) = Na<sub>2</sub>O (%) + (0.658 x K<sub>2</sub>O %)

**Note:**

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

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



Approved Signatory  Nanthini Selvadurai

Date 12-01-21 Serial No. CHEM92634.NS.1

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