


**Boral Construction Materials  
Materials Technical Services**

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**TEST REPORT – MILLED SLAG**
**CLIENT:** BORAL CEMENT – MALDON CEMENT**FILE NO.:** 50/21**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571**REQUEST NO.:** 95155**LAB SAMPLE NO:** 255336**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 24/06/2021**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2101845 - w/e 26/06/2021 - Date sampled: 21/06/2021**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	AS 3583.1	99%	02/08/2021
Relative density	AS 3583.5	2.93	01/07/2021
Relative water requirement	AS 3583.6	99%	01/07/2021
Relative strength 7 days (accelerated)	AS 3583.6	107%	08/07/2021
Relative strength 28 days (standard)	AS 3583.6	100%	29/07/2021

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

**Note:**

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


 Approved Signatory Julius Alvaro **Julius Alvaro**  
 Date 02/08/2021 Serial No. CEM95155.JA.1

 Accredited for compliance with ISO/IEC 17025 - Testing  
 This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory  
 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.:50/21

PROJECT: Testing of Maldon Environment Weekly Sample.

REQUEST No.: 95155

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 255336  
Date Sampled: 21/06/21  
Date Received: 24/06/21  
Date Tested: 11/08/21  
Sample Description: Environment ID #  
MDDNM2101845  
Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (%) 0.05  
Potassium as K<sub>2</sub>O (%) 0.08  
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 16-08-21 Serial No. CHEM95155.NS.1

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