

# FINAL REPORT

CERTIFICATE No.: 22636



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:** Waurm Ponds High Early Strength Cement  
**PRODUCED AT:** Boral Cement Limited Waurm Ponds  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** WWDHE2101486  
**DATE DESPATCHED:** 19/05/2021

PROPERTY	REQUIREMENTS OF AS 3972		RESULT
Compressive Strength (AS 2350.11)			
3 Day	Minimum	25 MPa	38.1 MPa
7 Day	Minimum	40 MPa	52.2 MPa
28 Day			66.4 MPa
Setting Time (AS 2350.4)			
Initial	Minimum	45 mins	120 mins
Final	Maximum	360 mins	165 mins
Soundness (AS 2350.5)	Maximum	5 mm	1 mm
SO <sub>3</sub> (AS 2350.2)	Maximum	3.5 %	2.8 %
Cl (AS 2350.2)	Maximum	0.10 %	0.04 %

## OTHER REPORTABLE PROPERTIES

### CHEMICAL

K<sub>2</sub>O (AS 2350.2) 0.41 %  
Na<sub>2</sub>O (AS 2350.2) 0.21 %  
LOI (AS 2350.2) 1.3 %

### PHYSICAL

Normal Consistency (AS 2350.3) 29.7 %  
Fineness Index (AS 2350.8) 405 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 HE (GP) cement with up to 7.5% mineral addition.



Accredited for compliance with ISO/IEC 17025 - Testing

Marc Smith  
Technical Services Manager