

# FINAL REPORT

CERTIFICATE No.: 22022



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**TEST CERTIFICATE OF:** Waurm Ponds High Early Strength Cement  
**PRODUCED AT:** Boral Cement Limited Waurm Ponds  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** WWDHE2003728  
**DATE DESPATCHED:** 11/12/2020

PROPERTY	REQUIREMENTS OF AS 3972		RESULT
Compressive Strength (AS 2350.11)			
3 Day	Minimum	25 MPa	40.8 MPa
7 Day	Minimum	40 MPa	54.0 MPa
28 Day			66.6 MPa
Setting Time (AS 2350.4)			
Initial	Minimum	45 mins	105 mins
Final	Maximum	360 mins	180 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 %	0.03 %

## OTHER REPORTABLE PROPERTIES

### CHEMICAL

K<sub>2</sub>O (AS 2350.2) 0.41 %  
Na<sub>2</sub>O (AS 2350.2) 0.23 %  
LOI (AS 2350.2) 1.2 %

### PHYSICAL

Normal Consistency (AS 2350.3) 29.8 %  
Fineness Index (AS 2350.8) 400 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