

FINAL REPORT

CERTIFICATE No.: 22292



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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: WWDHE2100715
DATE DESPATCHED: 15/03/2021

| PROPERTY | REQUIREMENTS OF AS 3972 | | RESULT |
|-----------------------------------|-------------------------|----------|----------|
| Compressive Strength (AS 2350.11) | | | |
| 3 Day | Minimum | 25 MPa | 42.0 MPa |
| 7 Day | Minimum | 40 MPa | 54.4 MPa |
| 28 Day | | | 65.6 MPa |
| Setting Time (AS 2350.4) | | | |
| Initial | Minimum | 45 mins | 75 mins |
| Final | Maximum | 360 mins | 120 mins |
| Soundness (AS 2350.5) | Maximum | 5 mm | 1 mm |
| SO ₃ (AS 2350.2) | Maximum | 3.5 % | 2.6 % |
| Cl (AS 2350.2) | Maximum | 0.10 % | 0.04 % |

OTHER REPORTABLE PROPERTIES

CHEMICAL

K₂O (AS 2350.2) 0.40 %
Na₂O (AS 2350.2) 0.26 %
LOI (AS 2350.2) 1.2 %

PHYSICAL

Normal Consistency (AS 2350.3) 30.5 %
Fineness Index (AS 2350.8) 430 m²/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