ADBRI Cement
ABN 96 007 870 199

# Cement Test Certificate

Final

845 Stockwell Road, Angaston SA 5353
PO Box 229, Angaston SA 5353
T: +61 8 8561 3100
F: +61 8 8564 3019
www.adbri.com.au

**Product Certified:** Type HE Brightonlite Cement
**Test Certificate Number:** 250617
**Customer:** Adbri Cement, Angaston Plant, SA
**Sample Code:** B0c05f9
**Sample Date:** 07/11/2025

| Nominal Blend | Requirements | Result |
|---|---|---|
| Clinker | | >85 % |
| Ground Granulated Iron Blast-Furnace Slag | | Nil |
| Mineral Addition | Max 7.5 % | <7.5 % |
| Calcium Sulphate | | 4-8 % |
| Minor Additional Constituents | Max 5 % | <5 % |

| Reportable Property | Test Method | Requirements of AS3972 | Result |
|---|---|---|---|
| 3 Day Strength | AS/NZS2350.11 | Min 25.0 MPa | 40.8 MPa |
| 7 Day Strength | AS/NZS2350.11 | Min 40.0 MPa | 50.6 MPa |
| 28 Day Strength | AS/NZS2350.11 | N/R | 62.5 MPa |
| Initial Set Time | AS/NZS2350.4 | Min 45 min | 75 min |
| Final Set Time | AS/NZS2350.4 | Max 360 min | 120 min |
| Soundness | AS/NZS2350.5 | Max 5 mm | 0 mm |
| Sulfuric Anhydride content ($SO_3$) | AS2350.2 | Max 3.5 % | 2.6 % |
| Chloride Ion | AS3583.13 | Max 0.10 % | 0.001 % |
| **Other Properties** | | | |
| $SiO_2$ | AS2350.2 | N/R | 21.3 % |
| $Al_2O_3$ | AS2350.2 | N/R | 5.0 % |
| $Fe_2O_3$ | AS2350.2 | N/R | 0.6 % |
| CaO | AS2350.2 | N/R | 65.5 % |
| MgO | AS2350.2 | N/R | 0.9 % |
| $Na_2O$ Equivalent | AS2350.2 | N/R | 0.3 % |
| Loss on Ignition | AS2350.2 | N/R | 3.9 % |
| Fineness Index | AS/NZS2350.8 | N/R | 490 $m^2/kg$ |
| Normal Consistency | AS/NZS2350.3 | N/R | 28.7 % |
| Brightness (L)* | BH-TM-0552 | N/R | 72 |

***This document shall not be reproduced except in full.***

**REMARKS**

These test result apply specifically to the sample as received at the Adbri Cement Birkenhead Laboratory (Accreditation number: 252), 62 Elder Rd Birkenhead SA 5015.
This despatch grab sample complies to the requirements of AS3972:2010, Type HE Cement.
* NATA Accreditation No 252 does not cover the performance of this service.
N/R = No Requirement

NATA
WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - Testing.

Approved Signatory
M. Wythe

**Issue Date:** 24/12/2025