

# FINAL REPORT

CERTIFICATE No.: 21912



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**TEST CERTIFICATE OF:** Marulan Quicklime Fines - Despatch Composite  
**PRODUCED AT:** Boral Cement Limited Marulan  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** LDQLF2003416  
**DATE SAMPLED:** for date ending 7/11/2020

| PROPERTY                                    | RESULT   |
|---|----------|
| Chemical Composition (AS 4489.5.1)          |          |
| CaO   | 92.3 %   |
| MgO   | 0.8 %    |
| Al <sub>2</sub> O <sub>3</sub>              | 0.5 %    |
| SiO <sub>2</sub>                            | 1.3 %    |
| K <sub>2</sub> O                            | 0.1 %    |
| Fe <sub>2</sub> O <sub>3</sub>              | 0.3 %    |
| LOI (AS 4489.7.1)                           | 4.3 %    |
| ALI as CaO (AS 4489.6.1)                    | 87.8 %   |
| Slaking (AS 4489.3.1)                       |          |
| Temperature Rise at 30 s                    | 34.5 °C  |
| Temperature Rise at 3 min                   | 46.5 °C  |
| Total Temperature Rise                      | 50.5 °C  |
| Total Active Slaking Time                   | 9.0 mins |
| Residue on Slaking                          | 1.32 %   |
| Particle Size Distribution * (AS 1141.11.1) |          |
| < 4.75 mm                                   | 100 %    |
| < 2.36 mm                                   | 99 %     |
| < 1.18 mm                                   | 97 %     |
| < 600 µm                                    | 89 %     |

## REMARKS

Sampling not carried out by laboratory. Samples tested as received.

\* Samples are not washed.



Accredited for compliance with ISO/IEC 17025 - Testing

Marc Smith  
Technical Services Manager