

ABRASION RESISTANCE Test Certificate

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|-------------------------------|--------------------------|
| TEST METHOD | ASTM C1353-15 |
| TEST DATE | 17-Nov-17 |
| CLIENT | Hanson Australia Pty Ltd |
| OUR REFERENCE | HAN1117-1 |
| SAMPLE | Kanmantoo Bluestone |
| SURFACE FINISH | Sawn |
| SAMPLE ORIGIN | Kanmantoo SA |
| SAMPLING DATE | 1/11/2017 |
| SHAPE and NOMINAL SIZE | Prism: 100mm x 100mm |
| SAMPLE LOCATION | Not Known |

Conditioning: Dried @ 60 deg C for 48 hours

Relative Humidity: 0%

Bulk SG: 2.71

| Test Number | Specimen Identification | Total Cycles | Initial Mass (g) | Final Mass (g) | Weight Loss (g) | Index of Abrasion Resistance |
|-------------|-------------------------|--------------|------------------|----------------|-----------------|------------------------------|
| A3856 | S91/41 | 1000 | 266.76 | 264.98 | 1.78 | 56.0 |
| A3857 | S91/42 | 1000 | 260.22 | 258.30 | 1.92 | 51.9 |
| A3858 | S91/43 | 1000 | 256.39 | 254.20 | 2.19 | 45.5 |

MEAN INDEX OF ABRASION RESISTANCE: **51.1 ±1.1** (U_{95})
Standard Deviation: **5.3**

NOTE: The expanded measurement uncertainty values (u_{95}) quoted in this report are at a confidence level of 95 % with a nominal coverage factor of 2. These values do not include any estimate of the effects associated with sampling.

COMMENTS/VARIATIONS

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APPROVED SIGNATORY:

NAME: Graham J Baggs

ISSUE DATE: 21-Nov-17




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The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.