

# Product Specification: Northern Quarries 40mm Class 3 Crushed Rock

**PRODUCT CODE:** 073-019-t

**SOURCE ROCK TYPE:** Basalt

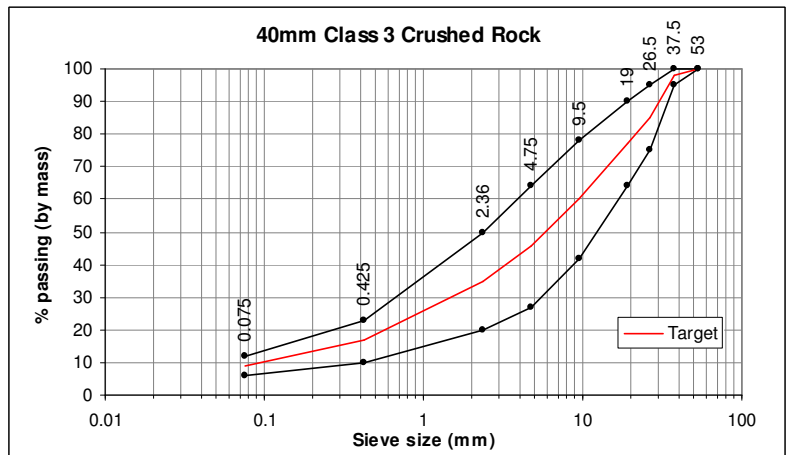
**CUSTOMER:** Standard Product

**REFERENCE:** VicRoads Standard Specifications for Road works and Bridgeworks, Sections 812 & 801

| Relevant Tests Carried Out On Source Rock |                      |                |  |                            |
|---|----------------------|----------------|--|----------------------------|
| Test                                      | Method               | Frequency      | Requirements                                     | Reference                  |
| Los Angeles (LA) Value                    | AS1141.23            | VicRoads Issue | ≤35  | VicRoads 801.033           |
| Preparation of Reference Specimens        | AS1141.30 Appendix A | VicRoads Issue | See below for sound and marginal classifications | VicRoads 801.04            |
| Accelerated Soundness by Reflux           | AS1141.29            | VicRoads Issue | Sound ≥94%<br>Marginal 90-93%                    | VicRoads 801.031 & 801.032 |
| Secondary Mineral Content                 | AS1141.26            | VicRoads Issue | Sound ≤25%<br>Marginal 26-30%                    | VicRoads 801.031 & 801.032 |

| Tests Carried Out For Product Quality Control Purposes |                                |                                    |   |                   |
|--|--------------------------------|------------------------------------|---|-------------------|
| Sampling Method: AS1141.3.1                            |                                |                                    |   |                   |
| Test   | Method                         | Frequency                          | Requirements                            | Reference         |
| Unit Mass Density                                      | AS1141.4                       | On initial introduction of product | N/A - For reference purposes only       | N/A               |
| Maximum Dry Density / Optimum Moisture Content         | AS1289.5.2                     | As per customer requirements       | N/A - For reference purposes only       | N/A               |
| Plastic Index (PI)                                     | AS1289.3.3.1                   | As per customer requirements       | 0-10                                    | VicRoads 812.051  |
| Liquid Limit (as part of PI test)                      | AS1289.3.3.1                   | As per customer requirements       | ≤35%                                    | VicRoads 812.051  |
| Unsound stone count by visual assessment               | AS1141.30 / RC372.01           | As per customer requirements       | Unsound ≤10%<br>Marginal + Unsound ≤20% | VicRoads 812.052  |
| Moisture Content (MC) – Dry Product                    | AS1289.2.1.6 (Hotplate method) | As per customer requirements       | ≤4%                                     | VicRoads 812.10.a |
| Particle size distribution (Grading)                   | AS1141.11 (washed)             | As per customer requirements       | See table and graph below               | VicRoads 812.083  |

| Sieve Size AS (mm) | Limits of Grading (% Passing) | Target Grading (% Passing) |
|--------------------|-------------------------------|----------------------------|
| 53.0               | 100                           | 100                        |
| 37.5               | 95 – 100                      | 98                         |
| 26.5               | 75 – 95                       | 85                         |
| 19.0               | 64 – 90                       | 77                         |
| 9.50               | 42 – 78                       | 60                         |
| 4.75               | 27 – 64                       | 46                         |
| 2.36               | 20 – 50                       | 35                         |
| 0.425              | 10 – 23                       | 17                         |
| 0.075              | 6 – 12                        | 9                          |



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