

# Product Specification: Northern Quarries 20mm Class 3 Crushed Rock

**PRODUCT CODE:** 0621

**SOURCE ROCK TYPE:** Basalt

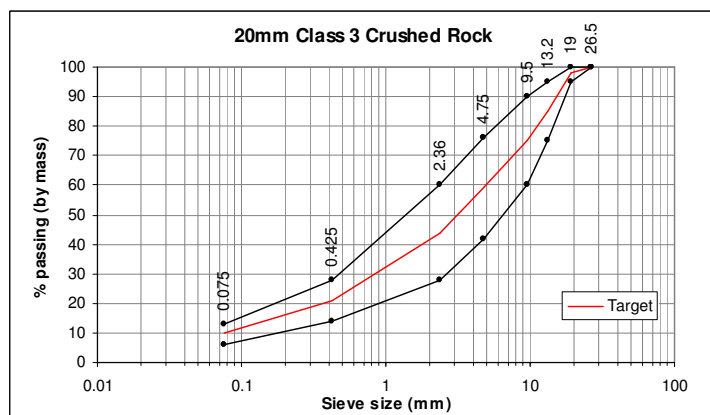
**CUSTOMER:** Standard Product

**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% Marginal 90-93%	VicRoads 801.031 & 801.032
Secondary Mineral Content	AS1141.26	VicRoads Issue	Sound ≤25% 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	1 per 3 Years	N/A - For reference purposes only	N/A
Maximum Dry Density / Optimum Moisture Content	AS1289.5.2	1 per Year	N/A - For reference purposes only	N/A
Plastic Index (PI)	AS1289.3.3.1	1 per 5,000t	0-10	VicRoads 812.051
Liquid Limit (as part of PI test)	AS1289.3.1.1	1 per 5,000t	≤35%	VicRoads 812.051
Permeability (Perm)	AS1289.6.7.1	On request <sup>†</sup>	As per customer requirements	VicRoads 812.051
Unsound stone count by visual assessment	AS1141.30 / RC372.01	1 per 500t	Unsound ≤10% Marginal + Unsound ≤20%	VicRoads 812.052
Moisture Content (MC) – Dry Product	AS1289.2.1.6 (Hotplate method)	1 per 500t	≤4%	VicRoads 812.10.a
MC – Wet Mixed (WM) or Cement Treated (CT) Product	AS1289.2.1.6 (Hotplate method)	1 per production day then 1 per 500t	-1.0% to +0.5% of MC nominated by customer	VicRoads 812.10.a
Cement Content – CT Product	AS5101.3.3	1 per production day then 1 per 250t <sup>‡</sup>	±0.3% of specified cement content	VicRoads 815.10.a
Unconfined Compression Strength (UCS) – CT Product	AS5101.4 & AS5104.4	On request <sup>†</sup>	As per customer requirements	VicRoads 815.101
Particle size distribution (Grading)	AS1141.11 (washed)	1 per 500t	See table and graph below	VicRoads 812.081

Sieve Size AS (mm)	Limits of Grading (% Passing)	Target Grading (% Passing)
26.5	100	100
19.0	95 – 100	98
13.2	75 – 95	85
9.50	60 – 90	75
4.75	42 – 76	59
2.36	28 – 60	44
0.425	14 – 28	21
0.075	6 – 13	10



<sup>†</sup> Charges may apply

<sup>‡</sup> Cement content tests will not be carried out for orders less than 100 tonnes unless specified by the customer

Date issued: 21 May 2010

Previous issue date: 19 May 2009

Date of first issue: 13 May 2002

Issue number: 7

Max review interval: 5 years

Authorised by: Tom Kerr

Manual index location: 19.i

Date printed: 6 Dec 2010

Page 1 of 1

Form: 2021.06