

Product Specification: Stawell Quarry 40mm Class 3 Crushed Rock

PRODUCT CODE: 0219

SOURCE ROCK TYPE: Hornfels

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
Degradation Factor – Source Rock	AS1141.25.1	VicRoads Issue	≥40% = Sound 20-39% = Marginal	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% Marginal + Unsound ≤20%	VicRoads 812.052
Moisture Content (MC) – Dry Product	AS1289.2.1.6 (Hotplate method)	1 per 3 months or as per customer requirements	≤5%	VicRoads 812.09a
Particle size distribution (Grading)	AS1141.11 (washed)	1 per 3 months or as per customer requirements	See table and graph below	VicRoads 812.072

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

