Product Specification:
Stawell Quarry 20mm Class 2 Crushed Rock

PRODUCT CODE: 0211 **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	≤30	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	Sound ≥40% Marginal 20-39%	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	0-6	VicRoads 812.051
Liquid Limit (as part of PI test)	AS1289.3.3.1	1 per 5,000t	≤30%	VicRoads 812.051
Flakiness Index (FI)	AS1141.15 / RC302.11	1 per 10,000t	≤35%	VicRoads 812.051
pH Value	AS1289.3.8.1	As per customer requirements	6.0 (min)	VicRoads 812.054
Conductivity	RC353.09	As per customer requirements	1500 µS/cm (max)	VicRoads 812.054
Unsound stone count by visual assessment	AS1141.30 / RC372.01	1 per 500t	Unsound ≤7% Marginal + Unsound ≤10%	VicRoads 812.052
Moisture Content (MC) – Dry Product	AS1289.2.1.6 (Hotplate method)	1 per 500t	≤4%	VicRoads 812.09.a
MC – Wet Mixed (WM) 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 812.09.b
Particle size distribution (Grading)	AS1141.11 (washed)	1 per 500t	See table and graph below	VicRoads 812.071

Sieve Size AS (mm)	Limits of Grading		Target Grading (% Passing)
	% Passing	% Retained	
26.5	100	0	100
19.0	95 – 100	0 – 5	98
13.2	78 – 92	7 – 18	86
9.50	63 – 83	10 – 16	74
6.7	-	-	66
4.75	44 – 64	14 – 24	58
2.36	30 – 48	10 – 20	40
0.425	14 – 22	14 – 28	18
0.075	7 – 11	6 – 13	9