

Product Specification: Northern Quarries 20mm Class SS Aggregate

PRODUCT CODE: 0645

SOURCE ROCK TYPE: Basalt

CUSTOMER: Standard Product

REFERENCE: VicRoads Standard Specifications for Road works and Bridgeworks, Section 801
AS2758.1 – Aggregates and Rock for Engineering Purposes, Concrete Aggregates

Relevant Tests Carried Out On Source Rock				
Test	Method	Frequency	Requirements	Reference
Los Angeles (LA) Value	AS1141.23	VicRoads Issue	≤30	AS2758.1.9.3.3
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
Particle Density (Coarse Agg)	AS1141.6	1 per 3 Years	≥2.1t/m ³ , <3.2t/m ³	AS2758.1.7.1
Particle Shape by Proportional Calliper	AS1141.14	1 per year	≤10% using 3:1 ratio	AS2758.1.8.3
Flakiness Index (FI)	AS1141.15	1 per 9,600t	≤35%	AS2758.1.8.3
Unsound stone count by visual assessment	AS1141.30 / RC372.01	1 per 4,800t	Unsound ≤5% Marginal + Unsound ≤10%	AS2758.1.9.3.4
Particle size distribution (Grading)	AS1141.11 (washed)	1 per 2,400t	See table below	AS2758.1.8.1.3

Sieve Size AS (mm)	Limits of Grading (% Passing)	Limits of Deviation %	Target Grading (% Passing)
26.5	100	-	100
19.0	85 – 100	±10	92
13.2	0 – 30	±10	10
9.50	0 – 20	±10	5
6.70	0 – 10	±5	3
4.75	0 – 5	-	2
2.36	0 – 3	-	2
0.075	0 – 2	-	1

