

Aggregate Specification Datasheet

This datasheet outlines the physical and chemical properties required of construction aggregates to ensure optimal performance and compliance with Standards for Highways Specifications.



Product	Materials	Specification	Depot
Ecoblend RA	P + A1/A5	Type 1 (SHW 803)	All

Grading Conformance

Sieve Size	Typical Grading	Specification Limits	Conformance
63mm	100	100	✓
31.5mm	92	75 - 99	✓
16mm	64	43 - 81	✓
8mm	45	23 - 66	✓
4mm	34	12 - 53	✓
2mm	24	6 - 42	✓
1mm	19	3 - 32	✓
0.063mm	4.1	0 - 9	✓

Additional grading requirements

Passing 16mm, retained 8mm	19	7 - 30	✓
Passing 8mm, retained 4mm	11	7 - 30	✓

Physical & Chemical Compliance

Material Property	Value	Specification Requirements	Conformance
Los Angeles	23	LA ₅₀	✓
Micro Deval	18	M _{DE} NR	No requirement
Magnesium Sulphate Soundness	10	MS ₃₅	✓
Water Absorption	1.80%	WA ₂₄ NR	✓
Plasticity	Non-plastic	Non-plastic	✓
Water Soluble Sulphate BS EN 1744-1 Clause 10	558mg/l	< 1500mg/l (SO ₄)	✓
Total Sulphur BS EN 1744-1 Clause 11	0.18%	< 1%	✓
Frost Heave BS 812-124	5.5mm	< 15mm	✓