

RESINKOTE | TECHNICAL DATA SHEET

Black Basalt

Washed, dried and screened granules of black basalt.



Material profile

Size	2-5 mm
Risk of Staining (RIS)*	★
Shape	Angular
Hardness Value	
Rock Type	Basalt

Grading analysis

Sieve Size	% Passing	Range
8.0mm	100	100
6.3mm	92	80-100
4.75mm	46	20-90
3.35mm	18	5-55
2.36mm	10	0-10

Physical analysis

Property	Value
Aggregate Abrasion Value (AAV)	0.8
Aggregate Crushing Value (ACV)	17
Aggregate Impact Value (AIV)	12
Hardness (Moh)	
Magnesium Sulphate Soundness %	1
Polished Stone Value (est) (PSV)	48
Water Absorption	0.30%
Specific Gravity	
Relative Density (Sat. Surface Dried SSD)	2.83
Relative Density (Apparent) (AP)	2.83
Los Angeles Coefficient (LA)	12
10% Fines Value (Kn)	370
Risk of Iron Staining (est) (RIS)	★
Performance Scale	5

Chemical analysis

Element	%
Aluminium (Al ₂ O ₃)	15.14
Calcium (CaO)	8.18
Calcium Carbonate (CaCO ₃)	
Iron (Fe ₂ O ₃)	11.53
Magnesium (MgO)	5.87
Magnesium Carbonate (MgCO ₃)	
Manganese (MnO)	0.17
Phosphorus (P ₂ O ₅)	0.53
Potassium (K ₂ O)	1.62
Silica (SiO ₂)	48.98
Sodium (Na ₂ O)	3.98
Sulphate (SO ₃)	<0.01
Titanium (TiO ₂)	2.28
Loss of Ignition	1.61

Risk of Staining (RIS)*

- ★ No likelihood of any rust staining.
- ★★ No previous recorded instances of rust staining within this product.
- ★★★ Potential for rust staining within this rock type with recorded instances.

Need product or specification support?

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