PRODUCT DATA SHEET

DGB20 Roadbase

Product Code: RBU100
(Conforms to RTA Specification 3051)

Definition
Blast furnace slag is the non-metallic product consisting essentially of silicates and aluminosilicates of calcium and other bases that is developed in a molten condition simultaneously with iron in a blast furnace.

Air-cooled blast furnace slag is a predominantly crystalline, solid rock-like material. Basalt is a fine-grained volcanic rock type.

Description
Air-cooled slag is dug, crushed, screened and mechanically blended with basalt fines to form DGB20 Slag/Basalt Roadbase. The fine aggregate portion is predominantly basalt fines.

Applications
- High quality (flexible) roadbase conforming to RTA Specification 3051.

Advantages
- Interlocking particle shape
- Ease of compaction
- Lower tonnage required per cubic metre
- Effective utilisation of an industrial by-product conserving natural resources

Typical Grading

SIEVE	% PASSING
26.5 mm	100
19.0 mm	95-100
13.2 mm	70-90
6.7 mm	50-70
2.36 mm	30-55

Typical Physical Properties

Attribute	*unit*	typical	RTA 3051
Maximum Dry Density	t/m^3	2.0 - 2.1	
Optimum Moisture	%	10 - 11	
Misshapen Particles (2:1)	%	5 - 15	35 max
Dry Strength	*kN*	100 - 130	
Wet Strength	*kN*	85 - 115	70 min
Wet/Dry Variation	%	5 - 20	35 max
Fine Particles			
Size Distribution : A Ratio	%	40 - 50	35-55
B Ratio	%	45 - 55	35-55
C Ratio	%	40 - 50	35-60
Liquid Limit	%	n/a	20 max
Plastic Limit	%	n/a	20 max
Plasticity Index		non plastic	6 max
Dry Compressive Strength	*MPa*	4 - 5	1.7 min

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