



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

Technical Services and Customer Enquiries

Telephone: (02) 4255 1125

Email: enquiries@asms.com.au

Website: www.asms.com.au

ASMS Disclaimer

The information contained in this Product Data Sheet while accurate for general consideration, no warranty is expressed or implied regarding the accuracy of this data on specific applications. Information is furnished upon the condition that the user shall obtain specific advice and/or carry out tests to determine suitability for a particular purpose and for specific site and application conditions.

Sales specifications, although current at the time of publication, are subject to change due to process improvements. For the latest product specifications or usage updates contact ASMS.