



PRODUCT DATA SHEET

Modified 80/20 Slag Roadbase

Product Code: RBM800
(Conforms RTA Spec. 3052)

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 whereas granulated blast furnace slag is a glassy, granular product.

Description

Air-cooled slag is dug, crushed, screened and blended with granulated slag in 80/20 volumetric proportions and modified with a stabilising agent

Applications

High quality (bound) roadbase conforming to RTA Specification 3052

Advantages

- ◆ Cementitious properties
- ◆ Interlocking particle shape
- ◆ Well graded
- ◆ Ease of compaction
- ◆ Long term strength gain
- ◆ Lower tonnages required
- ◆ 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	74-90
6.7 mm	59-69
2.36 mm	38-46
425 um	11-17
75 um	1-5

Typical Physical Properties

Maximum Dry Density (Standard)	2.00-2.15 t/m ³
Optimum Moisture Cont.	11-13%
UCS at 7 days Acc curing (with 2 % additive)	>2 MPa
Misshapen Particles(2:1)	<10%
(3:1)	<2%
Fractured Faces	100%
Dry Strength	85-105kN
Wet Strength	75-95kN
Variation	<25%
Modified Texas Triaxial Classification No.	<2.5
Apparent Cohesion	>55kPa
Liquid Limit	Not obtainable
Plastic Limit	Not obtainable
Plasticity Index	Non-plastic
Linear Shrinkage	0%
Acid Soluble Sulphate as SO ₃	<0.4%

Technical Services and Customer Enquiries

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