

PRODUCT DATA SHEET

MODIFIED 80/20 SLAG ROAD BASE

Product Code: RBM800

PRODUCT DESCRIPTION

ASMS RBM800 is a high quality heavily bound Road Base.

APPLICATIONS

ASMS RBM800 is used in a variety of rigid pavement applications.

COMPOSITION AND MATERIALS

RBM800 is a blend of graded air-cooled blast furnace slag and granulated blast furnace slag in nominally 80/20 volumetric proportions modified with a slag cement/lime binder.

Blast furnace slag is the non-metallic product consisting essentially of silicates and aluminosilicates of calcium and other bases 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. Granulated blast furnace slag is a glassy, granular product.

ADVANTAGES

- Inherent cementitious properties.
- Interlocking particle shape.
- Ease of compaction.
- Advantageous placement working life.
- Long term strength gain.
- Lower tonnage required per cubic metre.
- Potential to reduce asphalt layer thickness in selected applications.
- 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
9.5 mm	60 – 80
2.36 mm	30 – 50
425 µm	10 – 25
75 µm	4 – 12

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL
Maximum Dry Density	t/m ³	2.0 - 2.2
Optimum Moisture	%	11 – 14
Misshapen Particles (2:1)	%	5 - 20
Dry Strength	kN	75 – 110
Wet Strength	kN	70 – 105
Wet/Dry Variation	%	5 – 15
Acid soluble Sulfate, SO ₃	%	0.3 – 0.6
Liquid Limit	%	n/a
Plastic Limit	%	n/a
Plasticity Index	-	Non Plastic
Modified Texas Triaxial	-	< 2.5
Apparent Cohesion	kPa	> 55
UCS (7 days acc.)	MPa	> 2.0
Working Time	hours	21

TECHNICAL AND CUSTOMER ENQUIRIES

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