

# MODIFIED 80/20 SLAG ROADBASE

## Product Code: RBM800

### PRODUCT DESCRIPTION

**ASMS RBM800 is a high quality heavily bound roadbase.**

### APPLICATIONS

**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	74 – 90
6.7 mm	59 – 69
2.36 mm	38 – 46
425 µm	11 – 17
75 µm	1 – 5

### TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL
Maximum Dry Density	t/m <sup>3</sup>	2.0 - 2.2
Optimum Moisture	%	11 – 13
Misshapen Particles (2:1)	%	< 10
Misshapen Particles (3:1)	%	< 2
Dry Strength	kN	90 – 110
Wet Strength	kN	70 – 90
Wet/Dry Variation	%	5 – 15
Acid soluble Sulfate, SO <sub>3</sub>	%	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

### TECHNICAL AND CUSTOMER ENQUIRIES

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