

80/20 SLAG ROADBASE

Product Code: RBU800

PRODUCT DESCRIPTION

ASMS RBU800 is a high quality self cementing roadbase.

APPLICATIONS

RBU800 is used in a variety of rigid pavement applications requiring slow setting characteristics.

COMPOSITION AND MATERIALS

RBU800 is a blend of graded air-cooled blast furnace slag and granulated blast furnace slag in nominally 80/20 volumetric proportions. 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	75 – 90
6.7 mm	60 - 70
2.36 mm	40 - 50
425 µm	10 - 20
75 µm	1 - 5

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL
Maximum Dry Density	t/m ³	2.0 - 2.2
Optimum Moisture	%	11 – 13
Misshapen Particles	%	5 – 15
Dry Strength	kN	90 – 110
Wet Strength	kN	70 – 90
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	-	2.0 – 2.5
UCS (7 days acc.)	MPa	0.5 – 1.5

TECHNICAL AND CUSTOMER ENQUIRIES

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