

PRODUCT DATA SHEET

STEEL SLAG ROAD BASE

Product Code: SFS530

PRODUCT DESCRIPTION

ASMS SFS530 is a graded material suited to unsealed applications.

APPLICATIONS

ASMS SFS530 is used in various applications, including:

- General fill
- Pavements
- Hardstand areas
- Carparks
- Farm roads
- Road shoulders

NB not recommended for use in constrained applications, under rigid pavements or concrete.

COMPOSITION AND MATERIALS

SFS530 is produced from steel slag by crushing, screening, and processing for metal recovery, resulting in a 20mm minus steel slag product suitable for use as a road base.

Steel slag is a non-metallic product consisting essentially of calcium silicates with fused oxides of iron and aluminium.

Steel slag is produced simultaneously with steel in a basic oxygen furnace and is a predominantly crystalline, solid rock-like product.

ADVANTAGES

- Inherent cementitious properties.
- Interlocking particle shape.
- Well graded.
- High load bearing capacity.
- Lower dust emissions.
- Effective utilisation of an industrial by-product conserving natural resources.

TYPICAL GRADING

SIEVE	% PASSING
26.5 mm	100
19.0 mm	98 – 100
13.2 mm	85 – 99
6.7 mm	55 – 85
2.36 mm	20 – 50
1.18mm	10 – 35

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL
Maximum Dry Density	t/m ³	2.5
Optimum Moisture	%	11.0
Misshapen Particles 2:1	%	< 10
Misshapen Particles 3:1	%	< 2
Dry Strength	kN	270
Wet Strength	kN	255
Wet/Dry Variation	%	< 15
Liquid Limit	%	n/a
Plastic Limit	%	n/a
Plasticity Index	-	Non Plastic
UCS (7 days acc.)	MPa	0.3 – 1.0
pH	-	11 – 13

TECHNICAL AND CUSTOMER ENQUIRIES

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