



PRODUCT DATA SHEET

Steel Slag Roadbase

Product Code: SFS530

Definition

Steel furnace slag is the non-metallic product consisting essentially of calcium silicates with fused oxides of iron and, aluminium that is developed in a molten condition simultaneously with steel in a basic oxygen furnace.

The material is produced in a molten condition simultaneously with steel in a basic oxygen furnace and is a predominantly crystalline, solid rock-like material.

SIEVE	% PASSING
26.5 mm	100
19.0 mm	90-100
13.2 mm	75-95
9.5 mm	70-90
6.7 mm	60-80
4.75 mm	50-70
2.36 mm	30-50
1.18 mm	20-30

Description

Steel slag is dug, crushed and screened where the metal is removed and 20 mm steel slag roadbase is produced.

Applications

- ◆ Unsealed Pavements
- ◆ Hard Stand Areas
- ◆ Unsealed Carparks
- ◆ Unsealed Farm Roads
- ◆ Unsealed Road Shoulder

Advantages

- ◆ Cementitious properties
- ◆ Interlocking particle shape
- ◆ Well graded
- ◆ Strong load bearing capacity
- ◆ Lower dust emissions
- ◆ Effective utilisation of an industrial by-product conserving natural resources

Typical Physical Properties

Maximum Dry Density (Standard)	2.35-2.45 t/m ³
Optimum Moisture	9-11%
Misshapen Particles (2:1)	<10%
(3:1)	<2%
Fractured Faces	100%
Dry Strength	200 -220kN
Wet Strength	180 - 200kN
Variation	<25%
Liquid Limit	Not obtainable
Plastic Limit	Not obtainable
Plasticity Index	Non-plastic
Linear Shrinkage	0%
Acid Soluble Sulphate as SO ₃	<0.4%
pH	10 - 12

Technical Services and Customer Enquiries

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Typical Grading

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