PRODUCT DATA SHEET

Steel Slag 14mm Asphalt Aggregate

Product Code: SFS514

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.

Description

Steel slag is dug, crushed and screened into single size aggregates.

Applications

- Asphalt Aggregate
- Filter material

Advantages

- Interlocking particle shape
- Resistant to weathering
- Strong adhesion with binders
- High skid resistance
- High stability
- High durability
- Improves resistance to rutting and deformation
- Good flow properties
- Resistant to stripping
- Well graded
- Strong load bearing capacity
- Effective utilisation of an industrial by-product conserving natural resources

Typical Grading

SIEVE	% PASSING
19.0 mm	100
13.2 mm	78
9.5 mm	24
6.7 mm	5
4.75 mm	2
2.36 mm	2
1.18 mm	1

Typical Physical Properties

Particle Density – SSD	3.47 t/m^3
– Dry	3.40 t/m^3
Water Absorption	1.8 %
Free Lime	2.5 %
Particle Shape (2:1)	3
Los Angeles Value	16
Dry Strength	286 kN
Wet Strength	269 kN
Dry/Wet Variation	6 %
Sodium Sulphate Soundness	0.3
Polishing Agg. Friction Value	62
Resistance to Stripping	93

Technical Services and Customer Enquiries

Telephone: (02) 4255 1178

Email: enquiries@asms.com.au

Website: www.asms.com.au