PRODUCT DATA SHEET

CRUSHER DUST
Product Code: ABF200

PRODUCT DESCRIPTION

ASMS ABF200 is a 6x0mm fine aggregate crusher dust.

APPLICATIONS

ASMS ABF200 is suitable for use in a range of civil and manufacturing applications including:

- General fill and paving sand.
- Refractory sand.
- Concrete, cement, and masonry raw material.

COMPOSITION AND MATERIALS

ABF200 is produced from blast furnace slag by crushing, screening and processing to remove all single size aggregates. The fines are screened off as crusher dust, a grey coloured fine aggregate dust consisting of angular to roughly cubical shaped particles with a characteristically vesicular structure and rough surface texture.

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.

ADVANTAGES

- Consistent chemistry.
- Excellent load bearing capacity.
- Non-plastic.
- Resistant to heat and fire.
- Alkaline in presence of moisture.
- Effective utilisation of an industrial by-product conserving natural resources.

TYPICAL GRADING

SIEVE	% PASSING
9.5 mm	100
6.7 mm	99
4.75 mm	85-100
2.36 mm	60-75
600 µm	20-40
75 µm	3-12

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL
Maximum Dry Density	t/m3	2.00 - 2.15
Optimum Moisture	%	10 – 13
Bulk Density (Loose)	t/m3	1.35-1.50
Bulk Density (Compacted)	t/m3	1.55-1.70
Particle Density (Dry)		t/m3
Particle Density (SSD)	t/m3	2.70-2.90
Water Absorption	%	2.5 – 5.5
Plasticity Index	-	Non-Plastic
Organic Impurities	-	Free
pH	-	10 -12

OXIDE ANALYSIS

CONSTITUENT	SYMBOL	%
Iron Oxide	FeO	<1.3
Calcium Oxide	CaO	38 – 43
Silicon Dioxide	SiO_2	32 – 37
Aluminium Oxide	Al_2O_3	13 – 18
Magnesium Oxide	MgO	5 – 8
Titanium Dioxide	TiO_2	<1.5
Manganese Oxide	MnO	<0.5
Potassium Oxide	K_2O	<0.5
Sulphur	S	<1.0
Sodium Oxide	Na_2O	<0.3

TECHNICAL AND CUSTOMER ENQUIRIES

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