



PRODUCT DATA SHEET

Block Blend

Product Code: GAB 780

Definition

Blast furnace slag is the non-metallic product consisting essentially of silicates and aluminosilicates of calcium and other bases that is developed in a molten condition simultaneously with iron in a blast furnace.

Granulated blast furnace slag (GBFS) is a glassy granular product and air-cooled blast furnace slag is a predominantly crystalline, solid rock-like material

Process

GBFS is produced when molten slag is passed through high volume water sprays, breaking the slag stream into small glass droplets before crystallisation can occur.

Air-cooled blast furnace slag is formed when molten slag is cooled in pits and allowed to crystallise under atmospheric conditions.

Description

Block Blend is a blend of GBFS and air-cooled blast furnace slag and is a coarse sand-like material consisting of angular to roughly cubical shaped particles with a characteristically vesicular structure and rough surface texture.

Applications

- ◆ Block manufacture

Advantages

- ◆ Cementitious properties
- ◆ Low unit weight
- ◆ Good fire resistance, thermal insulation and acoustic properties
- ◆ Interlocking particle shape

Environmental Value

- ◆ Effective utilisation of an industrial by-product
- ◆ Conserves natural resources and preserves natural landscape
- ◆ Reduces the need for landfill sites

Typical Physical Properties

Bulk Density (Loose)	1.0 – 1.2 t/m ³
Bulk Density (Compacted)	1.2 – 1.3 t/m ³
Particle Density (Dry)	2.30-2.40 t/m ³
Glass Content	>70%

Typical Grading

SIEVE / mm	% PASSING
6.7	100
4.75	98
2.36	90
1.18	70
600µm	38
75µm	4

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