Material and Application Guide

ASTM ¾ Roofing Slag – Levy Plant #2

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Material: Blast Furnace Slag

Product: ASTM ¾ Roofing Slag

Location: Levy Plant #2

Application: Coarse aggregate for built up roofs

Description: An open graded coarse aggregate, produced by crushing and screening air-cooled iron Blast Furnace Slag. A light brown to gray crystalline aggregate formed simultaneously with the production of iron in a blast furnace. The particles are sized from ¾" (19.0mm) to #4 mesh (4.75mm).

ASTM ¾ Roofing Blast Furnace Slag – Actual size shown

Specifications: American Society for Testing and Materials

ASTM ¾ Roofing Blast Furnace Slag conforms to all the requirements of The American for Testing and Materials (ASTM) D 1863, size number 67

Gradation:

U.S. Sieve Metric Sieve	1″ 25.0mm	¾″ 19.0mm	½″ 12.5mm	⅜″ 9.5mm	#4 4.75mm	#8 2.36mm	LBW
Specification	100	90-100	-	20-55	0-10	0-5	2.0 max
2008 Average	**100**	**97**	**68**	**27**	**5**	**4**	**1.6**

Physical Properties:

- ASTM C 29, Loose Unit Weight (Average of last 10 tests) – 70 lb/ft^3
- ASTM C 29, Rodded Unit Weight (Average of last 10 tests) – 79 lb/ft^3
- ASTM C 127, Bulk Specific Gravity Dry (Average of last 4 tests) – 2.33
- ASTM C 127, Bulk Specific Gravity SSD (Average of last 4 tests) – 2.42
- ASTM C 127, Absorption (Average of last 4 tests) – 3.8%

General Usage Guide:

The ASTM ¾ Roofing Blast Furnace Slag should be evenly spread and embed into the top layer of bitumen while the bitumen is still hot.

Field Estimating Quantities:

Typical ASTM ¾ Roofing Blast Furnace Slag requirements per square (100 sq. ft.) of roof surface	300 lbs