

Material and Application Guide

3 X 1 Blast Furnace Slag – Levy Plant #1



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- Material:** Blast Furnace Slag
- Product:** 3 X 1 – Commercial (Levy)
- Location:** Levy Plant #1
- Applications:** Structural fill
Stabilizing fill
Light weight embankments
Rail ballast material

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 3" (75.0mm) to ¾" (19.0mm).



3 X 1 Blast Furnace Slag – NOT ACTUAL SIZE (80% of full size)

Specifications: Commercial (Levy)

3 X 1 Blast Furnace Slag conforms to all the requirements of the Edw. C. Levy Co. specifications for 3 X 1 Blast Furnace Slag

Gradation:

U.S. Sieve	3"	2½"	2"	1½"	1"	¾"	½"	⅜"
Metric Sieve	75.0mm	65.5mm	50.0mm	37.5mm	25.0mm	19.0mm	12.5mm	9.5mm
Specification	100	95-100			0-30		0-10	0-5
2008 Average	100	100	96	75	11	5	3	2

Physical Properties:

- ASTM C 29, Loose Unit Weight (Average of last 10 tests) – 67 lb/ft³
- ASTM C 29, Jigged Unit Weight (Average of last 10 tests) – 74 lb/ft³

*These weights are representative of the material in our yard and do not reflect the effects of handling, transportation, and placement.

General Usage Guide:

When used as a structural or stabilizing fill, the 3 X 1 Blast Furnace Slag should be placed on the prepared ground in lifts not exceeding 8". The total thickness of the 3 X 1 Blast Furnace Slag needed will depend on the ground conditions and the design loadings. Consult the design plans or engineers recommendations. 3 X 1 Blast Furnace Slag can be used to provide support in areas of poor subgrade.