



Sandblast Slags
Foundry Sands
Empire Blast Equipment
Bullard Safety Equipment
Sandblast Hose & Nozzles
Walnut Shells & Corn Cob Grit
Waterjet & Sandblast Garnet
Schmidt Blast Equipment
Silica Free Abrasives
Steel Shot & Grit
Aluminum Oxide
Glass Beads

BLACK ONYX #12 & #20 CRUSHED SLAG TECHNICAL DATA SHEET

Black Onyx is a disposable high-density blasting slag made from a by-product of copper production.

Two grades are available to suit most common blasting operations. The majority of its composition is iron oxide and silicon dioxide, formed when molten slag is quenched in cold water. This cooling process fractures the slag into coarse and angular particles, making it an ideal blasting slag with superior cleaning & cutting capabilities. This abrasive is commonly used for restoration of heavily painted steel bridges, ships, and water towers.

TYPICAL CHEMICAL ANALYSIS

Ingredient name	%	CAS number
FE ₂ O ₃	30-60	1309-37-1
SiO ₂	30-60	7631-86-9
CAO	1-5	1305-78-8
AL ₂ O ₃	1-5	1344-28-1
Zn	1-5	7440-66-6
Quartz	< 0.1	14808-60-7

TYPICAL SCREEN ANALYSIS

Sieves		Individual % retained	
US Mesh	mm	#12	#20
6	3.35	0.0	
8	2.36	0.9	
12	1.70	10.4	
14	1.40	11.9	0.0
16	1.18	12.9	7.7
18	1.00	12.9	16.2
20	0.85	15.2	18.0
30	0.60	21.5	26.9
35	0.50	10.7	7.3
40	0.425	3.4	7.3
50	0.300		3.7
70	0.212		7.1
100	0.150		3.0
Pan		0.2	2.8

Colour: Black
Grain Shape: Angular
MOH Hardness: 7.0 – 7.5
Bulk Density: 135 lbs/cu.ft.
Specific Gravity: 3.5

- Most effective product in its category.
- Low dust emission.
- Cleans faster requiring less product.
- Contains less than 0.1% free silica.
- Compliant with SSPC-AB1 and MIL-A-22262B (SH) standards

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