

Mobile ABRASIVES

Black Blast Copper Slag

[Technical Data & Product Certification Sheet]

Mobile Abrasives' Black Blast is designed to meet most blasting needs and contains less than 0.1% free silica.

Typical Chemical Analysis (%):

Iron Oxide	Fe ₂ O ₃	56-70%
Silicon Dioxide (total)	SiO ₂	27-30%
	<i>Respirable Silica-Quartz</i>	<i>Not Detectable</i>
	<i>Respirable Silica-Cristobalite</i>	<i>Not Detectable</i>
	<i>Respirable Silica-Tridymite</i>	<i>Not Detectable</i>
Aluminum Oxide	Al ₂ O ₃	2-4%
Copper	Cu	0.9-1.15%
Calcium Oxide	CaO	0.8-2%
Zinc	Zn	0.6-2%
Potassium Oxide	K ₂ O	0-3%
Magnesium Oxide	MgO	0-2%
Titanium Oxide	TiO ₂	0-2%
Loss On Ignition	LOI	<0.01

Typical Physical Properties:

General: Inert, non-ecotoxic material that does not absorb water and does not contain free metallic particles, acids or salts.

Color: bright, lustrous black

Bulk Density (loose): 105 lbs./ft.³

Bulk Density (compacted): 120 lbs./ft.³

Apparent Density: 1.6 - 1.9 t/m³

Moisture: < 0.50%

Boiling Point: n/a

Electrical Conductivity: None

Grain Shape: Angular, sharp

Mohs Hardness: 7-8

Specific Gravity: 3.4-3.8 g/cc

Magnetation: None

Solubility: Insoluble

Melting Point: > 2,000°F

Impact/Fragmentation Value: 11.7%

Our Black Blast meets the following standards:

- Meets SSPC-AB 1 standards
- Passes TCLP test (40 CFR 261.24a)
- Approved by U.S. Navy QPL (MIL-A-22262)

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Grade	Minimum Nozzle Size	Average Mil Profile	Approx. Specifications (U.S. Standard Screens)		Recommended Uses
			Screen	Retained	
10-40	3/8"	4.0 – 5.0	8 10..... 12 16..... 20 30..... 40 60..... >60	0 – 5% 0 – 10% 2 – 25% 10 – 45% 15 – 40% 10 – 30% 5 – 20% 0 – 15% 0 – 10%	Heavy rust & paint coating material, ships, barges, and concrete.
12-40	1/4"	3.0 – 4.5	10 16..... 20 30..... 40 >40	0 – 10% 5 – 35% 10 – 50% 10 – 30% 0 – 20% 0 – 10%	General purpose rust & paint stripping, tanks, structural steel, boats, and bridges.
20-40	3/16"	2.5 – 3.5	16 20..... 30 40..... 50 >50	0 – 2% 0 – 25% 30 – 50% 30 – 40% 5 – 20% 5 – 20%	Light rust & paint stripping, cabinets, and mill scale.
30-60	1/8"	1.5 – 3.0	40 50..... 80 100..... >100	5 – 30% 25 – 60% 25 – 30% 5 – 15% 10 – 25%	Provide a smooth surface, especially for new steel, light rust & paint stripping, especially for automobiles.

The undersigned hereby certifies that Black Blast sandblasting abrasives meets the specifications of Military MIL-A-22262B with Amendment 2 and SSPC AB-1 standards.

Certified on December 1, 2021:



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Mobile **ABRASIVES**

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