DynamiX™

Technical Data Sheet

Material Composition

Component	CAS Number	Weight %
Silicon Dioxide (amorphous)	7631-86-9	35-45
Silicon Dioxide (crystalline)	14808-60-7	<0.1
Calcium Oxide	1305-78-8	25-35
Magnesium Oxide	1309-48-4	5-15
Aluminum Oxide	1344-28-1	5-15
Iron Oxide	1345-25-1	0-3

Physical & Performance Properties

Property	Value
Mohs Hardness	7
Particle Shape	Angular/Rounded
Color	Black, gray
Melting Temperature	1,150 °C / 2,102 °F
Material Specific Gravity	2.7-2.9
Bulk Density	95-105 lb/ft^3
Conductivity	40-150 µS/cm
Moisture	0.0 - 0.05%
Oil Content	None
Loss on Ignition (LOI)	<0.3%
Dust	Low

Environmental

10X abrasives are not regulated for transportation or disposal. TCLP data below.

Metal	Method	Value (mg/L)	EPA Limit (mg/L)
Mercury	EPA 7471B	<0.0005	0.200
Arsenic	EPA 6010D	<0.08	5.00
Barium	EPA 6010D	0.217	100
Cadmium	EPA 6010D	<0.08	1.00
Chromium	EPA 6010D	<0.2	5.00
Lead	EPA 6010D	<0.08	5.00
Selenium	EPA 6010D	<0.08	1.00
Silver	EPA 6010D	<0.08	5.00

Less-than sign (<) signifies below the detection limit of the test method used.

Product Options

Blasting Properties	• Excellent speed, penetration, and coverage on thick & tough coatings • 3.25-4.25 mil profile on metal • Uniform anchor profile for strong adhesion of linings and claddings • Will not over-profile • Exceptional surface cleanliness • Significantly delayed rust bloom • Ultra-low dust / high visibility • Low abrasive consumption • High particle mass for blasting from distances • Efficient blasting at angles • Reusable 3-6 times
Applications	• Marine (ship hulls, ballast tanks, etc.) • Oil, chemical, and water storage tanks • Rail car maintenance • Pipelines • Bridges • Heavy corrosion / pack rust • Non-skid • High-solids coatings & linings

Packaging Options

- 50 lb. bags
- 2,000 lb. super sack
- 4,000 lb. super sack
- Bulk truck

Use Instructions

- Use personal protective equipment as required.
- Maintain pressure at the nozzle above 100 psi for fastest stripping.
- Check nozzle opening regularly for wear.
- Adjust abrasive pot metering valve starting fully closed until stripping speed levels off. Elevated dust and slower stripping indicate metering valve is too open.

10X ENGINEERED MATERIALS

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