

KinetiX™

Technical Data Sheet

Material Composition

Component	CAS Number	Weight %
Silicon Dioxide (amorphous)	7631-86-9	35-45
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

KinetiX 20/70	<ul style="list-style-type: none">• All-purpose abrasive for speed and profile• Corrosion, coating, & mill scale removal• Ultra-low dust & embedment• Significantly delayed rust bloom• 2.5-3.5 mil profile on metal• Reusable 2-6 times
KinetiX 40/70	<ul style="list-style-type: none">• General all-purpose abrasive• Corrosion, coating, & mill scale removal• Ultra-low dust & embedment• Significantly delayed rust bloom• 2.0-3.0 mil profile on metal• Reusable 4-6 times

Packaging Options

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

Certifications

- SSPC-AB 1
- CARB
- MIL-A-22262B
- DOT (10XEM.com/DOT)

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.



No warranty, express or implied, is made for use of this information. 10X Engineered Materials liability is limited to replacement of defective products.

© 2024 10X Engineered Materials. All Rights Reserved ■ 1162 Manchester Avenue, Wabash, Indiana 46992 ■ (260) 209-1207