

KinetiX™

Technical Data Sheet

Material Composition

Oxide	CAS Number	Weight %
Silicon Dioxide	7631-86-9	40-45
Calcium Oxide	1305-78-8	28-33
Magnesium Oxide	1309-48-4	8-13
Aluminum Oxide	1344-28-1	8-13
Iron Oxide	1345-25-1	0.5-1.5

Physical 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 – KinetiX 10/20	87-92 lb/ft ³
Bulk Density – KinetiX 20/40	90-95 lb/ft ³
Bulk Density – KinetiX 20/70	93-103 lb/ft ³
Bulk Density – KinetiX 40/70	95-105 lb/ft ³

Quality & Safety Parameters

Property	Value
Crystalline Silica	Not Detected (NIOSH Method 7500)
Beryllium	Not Detected (SSPC-AB1 Section B.4.1)
Conductivity	40-150 μS/cm
Moisture	0.0 - 0.05%
Oil Content	None
Loss on Ignition (LOI)	<0.3%
Dust	Low

Environmental

10X abrasives contain no hazardous materials and are not regulated for transportation or disposal. TCLP data below.

Metal	Method	Value (mg/L)	EPA Limit
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 10/20	<ul style="list-style-type: none"> • Extra coarse abrasive • Thick or hard coating & corrosion • Ultra-low dust & embedment • Significantly delayed rust bloom • 100 psi or higher recommended • 4.0-6.0 mil profile on metal • Reusable up to 3 times
KinetiX 20/40	<ul style="list-style-type: none"> • Coarse product for thick or hard coatings • Corrosion, coating, & mill scale removal • Oil, dirt, and grease removal • Ultra-low dust & embedment • Significantly delayed rust bloom • 100 psi or higher recommended • 2.5-4.0+ mil profile on metal • Reusable 2-4 times
KinetiX 20/70	<ul style="list-style-type: none"> • All-purpose abrasive for speed and profile • Corrosion, coating, & mill scale removal • Oil, dirt, and grease removal • Ultra-low dust & embedment • Significantly delayed rust bloom • 100 psi or higher recommended • 2.5-4.0+ 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 • Oil, dirt, and grease removal • Ultra-low dust & embedment • Significantly delayed rust bloom • 100 psi or higher recommended • 1.5-3.0+ 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

Use Instructions

- Use personal protective equipment as required.
- Maintain pressure at the nozzle above 100 psi for fastest stripping. Performance improves up to 125 psi or higher.
- 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.



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