



# PREMIUM ABRASIVE PRODUCTS

WWW.10XEM.COM

PATENT PENDING

## Material Composition

Oxide	CAS Number	Weight %
Silicon Dioxide	7631-86-9	33-43
Calcium Oxide	1305-78-8	23-33
Magnesium Oxide	1309-48-4	8-14
Aluminum Oxide	1344-28-1	7-13
Iron Oxide	1345-25-1	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 – 10X 20/40	90-95 lb/ft <sup>3</sup>
Bulk Density – 10X 40/70	95-105 lb/ft <sup>3</sup>
Bulk Density – 10X 70/100	100-110 lb/ft <sup>3</sup>

## 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
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

<b>10X 20/40 - Coarse</b>	<ul style="list-style-type: none"> <li>• Thick or hard coatings</li> <li>• Corrosion &amp; mill scale removal</li> <li>• Oil, dirt, and grease removal</li> <li>• Stone cutting and engraving</li> <li>• 90 psi or higher recommended</li> <li>• 2.5-4.0+ mil profile on steel</li> <li>• Reusable</li> </ul>
<b>10X 40/70 - Medium</b>	<ul style="list-style-type: none"> <li>• General all-purpose abrasive</li> <li>• Medium to thick coatings</li> <li>• Corrosion &amp; mill scale removal</li> <li>• Oil, dirt, and grease removal</li> <li>• Stone cutting and engraving</li> <li>• 90 psi or higher recommended</li> <li>• 1.5-3.0+ mil profile on steel</li> <li>• Reusable</li> </ul>
<b>10X 70/100 - Fine</b>	<ul style="list-style-type: none"> <li>• Specialized surface treatment</li> <li>• Thin coatings</li> <li>• Corrosion &amp; mill scale removal</li> <li>• Oil, dirt, and grease removal</li> <li>• Pressure is application dependent</li> <li>• 0.5-2.0 mil profile on steel</li> <li>• Reusable</li> </ul>

## Packaging Options

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

## Use Instructions

- Use personal protective equipment as required.
- Maintain pressure at the nozzle above 90 psi for best performance. Performance improves at higher pressures.
- A long venturi nozzle is recommended for best performance.
- Adjust abrasive pot metering valve starting fully closed and opening until material cleans the surface. 10X abrasive flows well and lower metering valve settings are normal.



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