



WHAT IS COPPER SLAG?

Copper Slag (aka Iron Silicate) is a by-product of a metal refining process. During smelting, slag floats on the molten metal. Slag that is quenched in water produces angular granules which are stockpiled to be processed into abrasive granules.



WHY USE COPPER SLAG?

They simply work better. It's the low-cost product you want with the high efficiency you need to get any job done quickly. Hard, angular particles are uniform weight and gradation for fast-cutting strength. Copper Slag offers the safer alternative to sand and is more cost-effective than garnet, aluminum oxide, steel and glass.



IS COPPER SLAG SAFE?

Absolutely! Black Diamond abrasive products are the safer alternative to sand because they contain less than 1% free crystalline silica and are low dusting and chemically inert. View the latest SDS here.



WHICH ABRASIVE PRODUCT SHOULD I USE?

It depends on the surface you wish to prepare and the blasting equipment you plan to use. We carry six different grades of abrasive products that range from our most coarse product, 1240, to our finest product, 4080. View a complete listing of our iron silicate grades as well as the recommended uses, mil profile, and preferred nozzle size for each product.

PHYSICAL PROPERTIES

- Hardness > 7 on Mohs Scale
- Specific gravity = 3.4
- 20% heavier than other mineral slags
- Cuts 15% faster than sand and coal slag
- 20% less product consumption
- Hard angular particles
- Low friability
- Uniform weight and gradation

SAFETY ADVANTAGES

- Less than 1% free crystalline silica
- Low dusting
- Chemically inert
- Meets SSPC-AB 1
- Passes TCLP test
- Licensed Blastox® Blender
- Spent abrasive recycling available
- US Navy GPL (Mil-22262) approved*

*Limited to Anaconda, MT