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Updated: 04/19/05

## COAL SLAG ABRASIVES

# Black Magnum

When the job demands a consistent, high quality, coal slag abrasive, choose Black Magnum. Black Magnum will help keep skyrocketing coating cost in check by preparing the surface right the first time. It means coatings that do not fail.

Use Black Magnum on buildings, tanks, castings, structure steel, ships, bridges, railroad equipment, aggregate exposure and more.

### Product Benefits

#### Benefits:

- ▶ Less than 0.1% free silica.
- ▶ Does not react with coatings, so there is less possibility of coating failure.
- ▶ Does not draw moisture which could lead to equipment damage.
- ▶ Angular edges blast away existing coatings, fast.
- ▶ One of the most economical abrasives available.
- ▶ Often can be reused.
- ▶ Use in your existing equipment right away. No conversions needed.

### Product Data

BLACK MAGNUM is produced from coal slag in sizes from coarse to extra fine. It's a tough, hard, clean abrasive with angular shape and is very low in free silica. BLACK MAGNUM's hardness makes it very resistant to material break down.

Our high plant capacity and large on-site inventories mean reduced shipping delays to you. Shipments are made by truck or rail.

### Typical Physical Analysis

Grades U. S. Sieves	Anchor Pattern H.R. Steel	Typical Cleaning Applications
1240	4 - 4.5 Mils	Heavy rust, ships, barges, tanks. Heavy paint coating removal.
2040	2 - 2.5 Mils	Mill scales, medium rust paint, stripping, general usage.
3060	1.5 - 2 Mils	Light mill scale, light rust and paint stripping frames, trucks.

### Typical Chemical Analysis

Name	Chemical Formula	Percentage
Silicon Dioxide	SiO <sub>2</sub>	51.3
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	20.5
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	17.16
Calcium Oxide	CaO	7.0
Magnesium Oxide	MgO	1.03
Sodium Oxide	Na <sub>2</sub> O	1.13
Potassium Oxide	K <sub>2</sub> O	1.22
Titanium Oxide	TiO <sub>2</sub>	0.7
Manganese Oxide	MNO	0.06
4 Sulfate	SO <sub>4</sub>	0.027
3 Sulfate	SO	0.108
Carbon	C	0.40

## TECHNICAL DATA & PHYSICAL CHARACTERISTICS

# Black Magnum

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**WARNING: Silicosis Warning** - Breathing dust from silica sand causes silicosis, a fatal lung disease. Breathing dust during blasting operations may also cause asbestosis and/or other serious or fatal diseases. A NIOSH approved, well-maintained air-supplied respirator should be used by anyone blasting, anyone handling or using the sand and anyone in the area of the dust. Harmful dust can remain suspended in the air for long periods of time after the blasting has ceased causing serious injury or death.



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