



## Ebonygrit – Copper Slag

### Opta Minerals your source for Blast Cleaning Abrasives:

- Aluminum Oxide
- Blackblast - Coal Slag
- Chilled Iron Grit
- Corn Cobs
- Ebonygrit - Copper Slag
- International Garnet
- Garnet
- Glass Beads
- Greengrit - Crushed glass
- Plastic Media
- Powerblast LS - Staurolite
- Super Steel Shot
- Super Steel Grit
- Ultrablast - Nickel Slag
- Walnut Shells
- Blast Cleaning Equipment

### Contact Us

Our sales team is ready to help you to determine the right product for your job.  
 For more information please call us:  
 Toll-free: 888-689-6661  
 Tel: 519-720-9694  
 E-mail: info@optaminerals.com  
 Visit: www.optaminerals.com

Ebonygrit is produced from metallurgical slags and provides fast blast cleaning rates. Three grades are available to suit most common blasting operations. The hardness and high density of EbonyGrit gives it a high resistance to fracture with low dust formation during blasting as well as faster blast production rates when compared to local slag abrasives. This abrasive is commonly used for restoration of heavily painted steel bridges, ships and water towers.

Ebonygrit is a disposable high-density blasting slag made from a by-product of copper production.

Typically it is composed of ferrosilicate (Fayalite,  $Fe_2SiO_4$ ) material and oxides, formed when the molten slag is quenched in cold water. This cooling process fractures the slag into coarse and angular particles, making it an ideal blasting slag with optimal blasting properties.



### ADVANTAGES OF EBONYGRIT – COPPER SLAG

Due to high density, Ebony Grit distinguishes from light weight blasting slag.

- Very high cleaning speed
- Very low dust level
- Lower abrasive consumption
- Crystalline silica levels are less than 1%

### AVAILABLE SIZES AND PROFILES:

Size	Profile
#EG 12 - provides 3.5-5.0 Mil profile	Heavy-duty size for the removal of thick, tough old paint, heavy rust from ships, bridges, tanks, rail cars, etc., and for achieving a coarse profile
#EG 14 - provides 2.8-4.0 Mil profile	All-Purpose size for cleaning structural steel, bridges, tanks, ships, water towers, etc.
#EG 20 - provides 1.5-3.0 Mil profile	Utility size for the removal of light rust, paint and mill scale

### HOW DOES EBONYGRIT – COPPER SLAG PERFORM?\*

Cleaning rate:	295-360 ft <sup>2</sup> /hour
Consumption:	4.10-7.35 lb/ft <sup>2</sup>

\*Based on internal tests. Rates vary based on blasting pressure and nozzle size.

**TECHNICAL SPECIFICATIONS (IN %)**

Symbol	Name	Percentage
Fe <sub>2</sub> O <sub>3</sub> + FeO	(Iron Oxide)	57.0%
SiO <sub>2</sub> (total)	(Silicon Dioxide)	29.5%
Al <sub>2</sub> O <sub>3</sub>	(Aluminum Oxide)	5.0%
CaO	(Calcium Oxide)	3.5%
Zn	(Zinc)	2.5%
MgO	(Magnesium Oxide)	1.0%
Cu	(Copper)	1.0%
LOI	(Loss on Ignition)	< 0.01%

**CHARACTERISTICS**

<b>Colour:</b>	Black
<b>Bulk Density:</b>	135 lbs/ft <sup>3</sup>
<b>Specific Gravity:</b>	3.8
<b>Grain Shape:</b>	Angular
<b>Solubility:</b>	Insoluble
<b>Hardness:</b>	7 Mohs

**APPROVAL:**

Air Resources Board: Certified California Environmental Protection Agency (CARB)

**PACKAGING:**

55 lb bags, 56 bags (1.54NT) / pallet  
 3000 lb Super Sacs  
 Bulk (blower truck or rail hopper cars)