

## COPPER SLAG PRODUCT DATA SHEET

Copper slag is a by-product from the copper smelting process. It is one of the most efficient and economical surface preparation abrasive available. Its sharp hard cutting edges allow for fast cleaning action and hence is excellent for surface profile preparation. Copper slag from the production plant at Pan Marine is produced from 100% raw copper slag from Japan, and is not mixed with recycled slag or tin slag. There are various grades of slag available to suit varying anchor pattern criteria requirements.

**APPEARANCE** : Black granules, free flowing grit  
**FLASH POINT** : Non-flammable  
**SPECIFIC GRAVITY** : Approx. 3.5  
**SOLUBILITY IN WATER** : Insoluble  
**BULK DENSITY** : Approx. 1.8 tonnes/m<sup>3</sup> (un-compacted)  
**HARDNESS (Mohs)** : 6 - 7



### CHEMICAL COMPOSITION

Copper (as CuO) : Approx. 0.75% m/m  
 Lead (as PbO) : Approx. 0.04% m/m  
 Nickel (as NiO) : Approx. 0.08% m/m  
 Zinc (as ZnO) : Approx. 0.39% m/m  
 Total Iron (as FeO) : Approx. 54.3% m/m

*Note: The above Chemical Composition readings serve as a guideline only.  
 Variations to these results are expected over time due to variations in raw feed.*

### STANDARD SIZES AVAILABLE:

Grade Size	Nominal Size	Normal Application
G830	0.50 – 3.35 MM, +/-8%	Removal of heavily rusted surfaces
G830E	0.50 – 2.00 MM, +/-8%	Removal of heavily rusted surfaces
G1030	0.50 – 1.70 MM, +/-8%	Removal of old coatings, pitted & rusted surfaces
G1430	0.50 – 1.18 MM, +/-8%	Removal of old coatings & rusting mill scales
G3060	0.25 – 0.60 MM, +/-8%	Removal of rusting mill scales & preparation of new steel

### About us

Pan Marine Blasting Abrasives Pte Ltd has been a leading provider of abrasive grits in the surface preparation industry since its establishment in 1968. As a pioneer and leader in the industry, we offer a diverse range of abrasive grits to suit the needs of every customer. The team at Pan Marine has acquired a reputation for being the most dependable and trustworthy in the business, and continue to be fully committed in bringing the best to you.