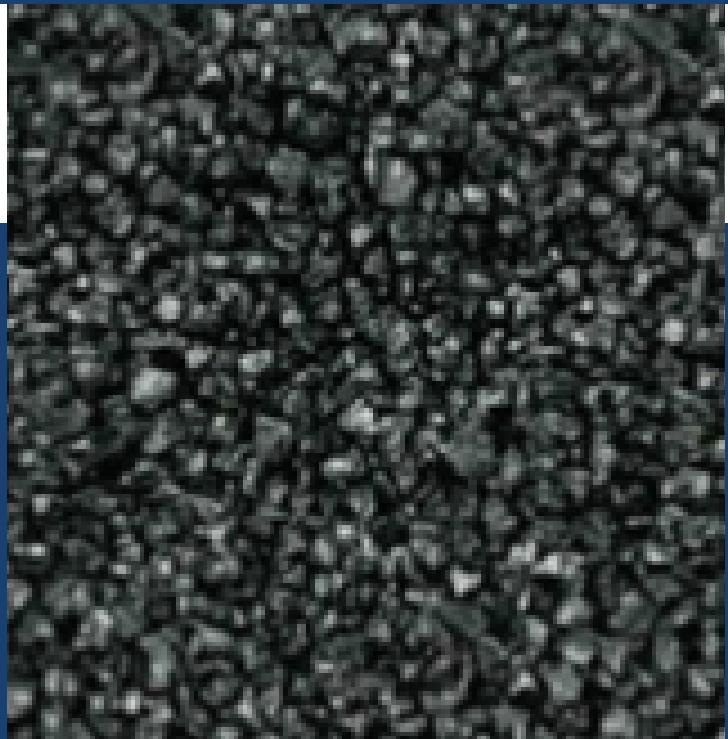




ABRASIVE

Copper Slag

Copper Slag offers economical, fast, and safe abrasive blasting for steel and concrete surfaces.



Copper Slag is a by-product of copper manufacturing, processed into granulated abrasive grit (iron silicate). With sharp, hard cutting edges, it delivers fast cleaning action and excellent surface profile preparation. Its low silica content minimises health hazards compared to silica sand, making it a safe, low-cost expendable material for open blast cleaning where recovery and reuse are not practical.

Performance

- Fast Cleaning Action:** Sharp edges provide rapid removal of corrosion, coatings, and deposits.
- Surface Profile Preparation:** Creates consistent profiles from 40 to 120 microns depending on grade.
- Safe Operation:** Low silica content reduces health risks compared to silica sand.
- Economical Use:** Cost-effective abrasive for expendable blasting applications
- Versatile Grades:** Coarse, medium, and fine grades tailored to different cleaning requirements.

Features

- High strength-to-weight ratio:** Ensures effective cutting and blasting efficiency.
- Low health / environmental risk:** Safer alternative to silica-based abrasives.
- Low-cost:** Provides economical blasting for large-scale operations.
- High cleaning speed:** Reduces cycle times and increases productivity.



Major Industries & Applications

Heavy corrosion removal
(100–120 µm profile)

Mill scale cleaning
(60–80 µm profile)

Light rust removal
(40 µm profile)

Steel surface blasting

Concrete surface blasting

Chemical Composition (Typical)

Fe	>45%
Al₂O₃	>4%
TiO₂	< 2%
Zn	<1%
SiO₂	>31%
CaO	<7%
Cu	<1%
MgO	>1.5%
Tin	0.08%
Free Silica	<1%
Lead	0.1%

Antimony	0.07%
Chromium	0.02%
Cobalt	0.02%
Nickel	0.02%
Cadmium	0.004%
Arsenic	Not Detected
Beryllium	Not Detected
Trace Elements	<0.5%
Moisture	<1%
Conductivity	<25ms/m
Chlorides	<15ppm

Available Sizes

Grade	Microns
8/30	600 - 3150
830E	600 - 2000
14/30	420 - 1400
16/30	250 - 1180
30/60	250 - 600

Other sizes available on request

Packaging

50 kg bags packed in 1 MT bulk bag

Physical Characteristics (Typical)

Bulk Density	1900 kg/M ³
Hardness (Mohs)	6 - 7
Shape	Angular, Blocky
Specific Gravity	3.4
Colour	Black, Blueish