



Copper powder is a type of mineral that has a very high hardness, which is a combination of silicates and complex metal oxides that remain after cooling the impurity. In other words, it is called copper slag or sandblast sand. Mesbara is extracted from the impurities in iron ore during the separation of iron in iron smelting furnaces, which is actually a widely used synthetic side product.

The first part of the word "sand" means sand. In sandblasting, various materials are used, including: silica sand, iron slag, ice, copper slag (grit), water (jet blast), water and sand. wet blast) each of them is used separately for different purposes.

Recommended Applications	Approximate Anchor Pattern (Microns)	Particle Size (mm)
Light Treatment of steel, aluminium Remove Mill scale And Metal Constructions where high Grade of Cleanliness and Light Anchor Pattern is Requird	25 – 30	0.4 – 0.8
General Usage for all Tank Internals as well as Places Where Dust Emissions Are to be kept at low Levels	80 – 100	0.5 – 1.68
Pipelines , Tank Repair , Ship Building & Oil Industry	80 – 100	0.5 – 2
Treatment of heavily corroded steel , concrete surfaces, Productions Platforms, oilfield installations, all marine applications .	100 – 125	0.5 – 3
Used for Removal Of Heavy Paint Layers , Rust , Etc	125 – 155	1 – 3 , 2 – 3

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES
Colour	Black
Grain Shape	Angular , Multifaceted
Hardness	& Moh
Specific Gravity at 25C	3.5
Bulk Density at 25C	1.75 Tonnes/m3
PH	7
Conductivity at 25C	4 ms/s
Weight Raseise On Lgnition	4 %
Moisture Content	<0.1 %

CHEMICAL ANALYSIS

CONSTITUENTS	% WEIGHT
Silica Sio (combined silicate)	% 34
Free silica	% 0.5
Alumina AL2O3	% 2
Iron Oxide As Feo	% 47 - % 54
Calcium Oxide Cao	% 6.5
Magnesiom Oxide Mgo	% 1 - % 5
Copper Oxide Cuo	MAX % 0.7
Sulphates	% 0.02
Chlorides	% 0.003