



# ZIBO TAA METAL TECHNOLOGY CO., LTD

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**TAA Garnet** is a non-metallic abrasive, mined from high quality almandine rock. Our garnet is produced meeting ISO and SSPC standard, with reasonable size distribution, low dust, low chloride content, and free from harmful components such as free silica and heavy metal.

## Features

Non-toxic, no silicosis hazard (less than 0.1% free silica).

Free from metallic iron, applicable for all surface preparation project including carbon steel, stainless steel, alumina, copper and all other alloys.

Recyclable, can be reused more than 3-8 times depending on the application

Excellent surface quality: Garnet can help to clean the deep cavities and pitted areas, and completely remove rust, soluble salts and other contaminants, achieving 50-75 microns surface roughness.

Effective alternative to silica sand, copper slag, glass bead, fused alumina, PS ball, etc., due to its low consumption and high productivity.

## Specification

SiO <sub>2</sub>	34-40%	Colour	brown
Fe <sub>2</sub> O <sub>3</sub> +FeO	28-42%	Grain shape	angular
Al <sub>2</sub> O <sub>3</sub>	18-22%	Hardness	7.5-8.0 Mohs
Ca O	1.5-4%	Specific Gravity	3.7-4.2 g/cm <sup>3</sup>
Mg O	4-6%	Melting point	1250°C
Mn O	0.5-2.0%	Chloride	10-15ppm (25ppm max)

## Application

Size	Application	Performance of blasting
#20/40 #30/60	Removal of rust, paint, scale and other coatings from carbon steel, stainless steel, aluminum surface, etc.	Applicable for thick coatings
#80 #100	Casting deburring, frosted treatment for aluminum surface and glass surface, polishing of stainless steel surface, auxiliary filler material to produce wheel and sandpaper.	Applicable for surface matte treatment without request of surface profile; removal of light rust, scale, dirt and burrs
#120 #150	Polishing of aluminum, stainless steel and glass surface; Grinding of leather material; Maintenance work for ancient buildings.	Used to make polishing paste or wax; very fine blasting work without damaging the surface.