

Hard Rock Garnet

Hard Rock Garnet's unique characteristics improve production rates, reduce abrasive usage, and lower disposal & clean-up costs. The angular shape, hardness, and bulk density allow Hard Rock Garnet to cut fast without leaving a residue, which is ideal for achieving a near white to white finish specification. The angular shape and low chloride level of Hard Rock Garnet provides superior cutting action and reduced risk of surface contamination versus Alluvial Garnet. Hard Rock Garnet is commonly used to cut through heavy coatings and rust primarily in shipyards and offshore & oil field applications such as storage tanks, structural steel, pipeline, and plant maintenance.

» INCREASED PRODUCTION

Hard Rock Garnet's combination of a high bulk density, high Mohs hardness, and angular shape provides faster cutting, significantly increasing the amount of square feet per hour that can be blasted. This increase in production will lower your labor hours and expedite blasting.

» LOW CHLORIDE LEVELS

Hard Rock Garnet is a mined mineral, excavated from veins below the Earth's surface. Due to the location where Hard Rock Garnet is mined the exposure to sources of chlorides is low. This extremely low level of chlorides, less than 0.5 ppm, reduces the risk of surface contamination.

» REDUCED ABRASIVE CONSUMPTION

The cutting ability of Hard Rock Garnet will increase production rates and reduce abrasive consumption which significantly reduces shipping costs, clean-up labor, disposal costs, and drives higher profitability.

» LOW DUSTING

Hard Rock Garnet's low friability, high Mohs hardness, and high specific gravity produces a lower dust level than any sand or slag abrasives, which provides improved visibility on the work site.

» RECYCLABILITY

Blasting with Hard Rock Garnet provides a very cost effective approach to blasting as it is durable enough to be recycled up to five times.



» PHYSICAL CHARACTERISTICS

- » **Shape:** Angular
- » **Mohs Hardness:** 7.0–8.0
- » **Bulk Density:** 130–150 lbs./cu. ft.
- » **Specific Gravity:** 4.0–4.1 g/cc
- » **Free Silica:** Less Than 0.5%
- » **Total Chlorides:** Less Than 0.5 ppm
- » **Available Sizes:**
 - 12X20 **Typical Profile:** 3.5–4.0 mils
 - 20X40 **Typical Profile:** 2.5–3.5 mils
 - 30X60 **Typical Profile:** 1.5–2.5 mils
 - 80 **Typical Profile:** 1.5–2.0 mils
- » **Mineral Abrasive**

» BLASTING CONDITIONS

- » **Recommended Nozzle Pressure:** 90–110 PSI
- » **Recommended Working Distance:** 18–24 inches

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» MARCO HARD ROCK GARNET SHIPPING LOCATIONS



★ Marco Operated Shipping Locations

» BENEFITS OF USING MARCO LOGISTICS SERVICES

Freight can be up to 80% of your landed abrasive costs. At Marco we have partnered with thousands of carriers nationwide to make logistics services easier and more cost effective for you.

Our logistics team is staffed by friendly, highly-trained individuals who are focused on providing the highest level of customer satisfaction.

- » **Time Savings** – Marco’s logistics team takes the hassle out of moving your freight. One call and we will arrange, load, and monitor your order all the way to your door or work site.
- » **Cost Savings** – Lower your process costs with a single invoice that includes product and freight.
- » **Buying Power** – Our buying power allows us to negotiate lower freight rates and pass the savings on to you.
- » **Experience** – We move over 14,000 truckloads, from over 45 shipping locations, each year.

Hard Rock Garnet Screen Analysis

US Mesh Size	Percent (%) by Weight	
	20X40	30X60
16		
18		
20	5	
25	20–55	
30	20–40	2–15
35	10–20	10–20
40	5–15	10–20
45	0–5	10–30
50	0–5	30–50
60		10–25
70		5–10
80		0–2
100		0–1
120		