PARMADAR

BLAST CLEANING ABRASIVE

GMA PremiumBlast™

The most efficient and cost-effective maintenance grade garnet abrasive, ideal for removing medium to heavy rust and industrial coatings.

Versatile Maintenance Grade Abrasive

The most versatile maintenance grade garnet abrasive. Recognised as the popular, industry standard garnet abrasive, GMA PremiumBlast™ is an engineered blend of alluvial garnet, designed for fast and efficient removal of resilient coatings. Its unique properties in hardness, toughness, and density not only brings higher productivity but also superior surface finish, ensuring the highest coating adhesion and substrate integrity.

Performance

Removal of medium to thick coatings and/or medium to heavy rust.

- **Uniform surface profile: 55 - 75 µm**
- **Blasting rates: Up to 20 m^2/hr**
- **Consumption rate: As low as 19 kg/m^2**

Features

- **High productivity:** Cut blasting hours by 30-50%* compared to other abrasives. GMA PremiumBlast™ performance has been demonstrated through rigorous product testing and a track record of success in applications worldwide.
- **Cost-effective blasting:** Deliver fast results at the lowest cost. GMA Garnet™ can provide significant savings in abrasive consumption, blasting hours, and disposal costs for your project. Overall, garnet sandblasting generally requires 30–50% less product than other abrasives.
- **Ideal surface finish:** GMA PremiumBlast™ achieves an exceptionally clean surface and high peak density. Our uniquely hard and tough garnet blend cuts through resilient coatings, allowing operators to prepare surfaces quickly for inspection and recoating.
- **Safe and compliant:** Have complete peace of mind knowing GMA Garnet™ meets all industry, government safety, and environmental standards. Blasting the purest, cleanest garnet means less dust, leading to better operator visibility and less worker risk.

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Major Industries & Applications

- Oil & Gas (Onshore and Offshore)
- Tank exteriors and liners
- Water and wastewater treatment
- Railcars
- Energy generation
- Shipyard maintenance and repair

Average Chemical Composition (Typical)

SiO_2 *	37%
Al_2O_3	21%
FeO	30%
Fe_2O_3	2%
MgO	6%
CaO	2%
TiO_2	1%
MnO	1%

**Refers to SiO_2 bound within the lattice of the homogeneous garnet crystal (not free silica)*

Physical Characteristics (Typical)

Bulk Density	2.3 T/m^3
Specific Gravity	4.1
Hardness (Mohs)	7.0 - 8.0
Melting Point	1250°C / 2250°F
Shape of Natural Grains	Sub-Angular

Mineral Composition (Typical)

Garnet (predominately Almandine)	> 97%
Ilmenite	< 1.5%
Zircon	< 0.1%
Quartz (free silica)	< 0.1%

Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	10 – 20 ppm
Conductivity	100-150 µS/cm (10-15 mS/m)

Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
30	600	1	1
35	500	4	3
40	425	15	11
45	355	37	22
50	300	59	22
60	250	80	21
70	212	92	12
80	180	97	5
100	150	99	2
PAN	PAN	100	1

Packing

We offer various packing options:

- 25 kg bags packed in 1 MT bulk bag
- 1 MT bulk bag (loose)
- 25 kg bags packed in 2 MT bulk bag
- 2 MT bulk bag (loose)