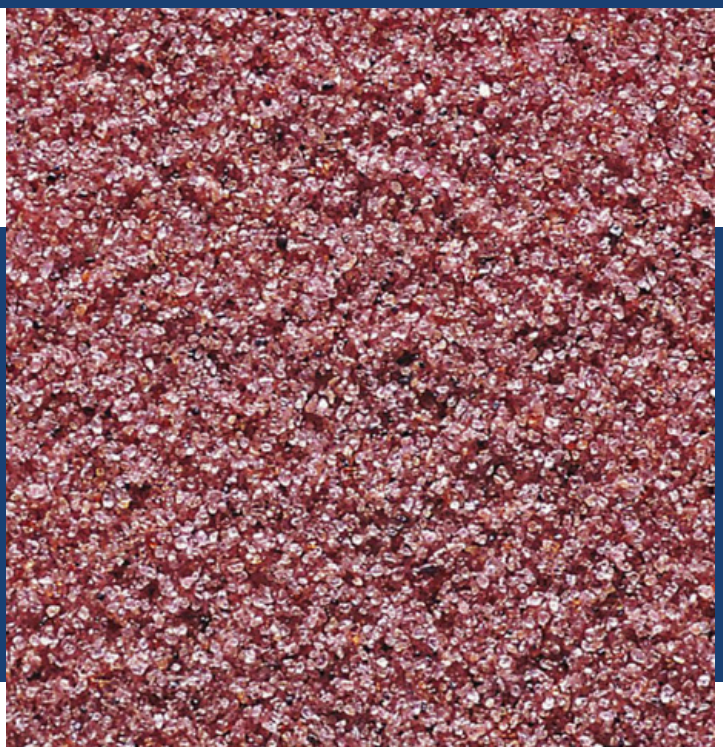
PARMADAR

BLAST CLEANING ABRASIVE

GMA ExtremeBlast™

The coarsest grade for extreme jobs. Removes high-build coatings of 750+ µm, such as TSA and coal tar.



Coarsest Grade Engineered Blend for Extreme Jobs

GMA's ExtremeBlast™ is GMA's coarsest garnet grade engineered for the most resilient coating removal jobs. The unique blend of both coarse and fine garnet is ideal for industrial maintenance in refineries, shipyards and offshore platforms. The angular coarse garnet removes resilient industrial coatings, and the durability of the sub-angular alluvial garnet helps sweep off remaining surface contaminants.

Throughout the world, garnet is recognised as the leading high performance, cost efficient and safe choice for a variety of blasting applications.

Performance

Removal of exceptionally resistant specialty coatings, thick mil tank liners and marine foulings.

- **Uniform surface profile: 90 - 115 µm**
- **Blasting rates: Up to 28 m^2/hr**
- **Consumption rate: As low as 16 kg/m^2**

Features

- **High productivity:** Cut blasting hours by 30-50% compared to slag abrasives. GMA ExtremeBlast™ 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 waste slag.
- **Ideal surface finish:** GMA ExtremeBlast™ 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
- Energy generation
- Shipyard maintenance and repair
- Pipelines

Average Chemical Composition (Typical)

SiO_2 *	37%
Al_2O_3	21%
Fe_2O_3	33%
MgO	7%
CaO	2%
TiO_2	2%
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	4.0
Hardness (Mohs)	7.5 - 8.0
Melting Point	1250°C / 2250°F
Shape of Natural Grains	Sub-Angular

Mineral Composition (Typical)

Garnet (predominately Almandine)	> 98%
Quartz (free silica)	< 0.1%
Others	< 2%

Other Characteristics (Typical)

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

Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
18	1000	3	3
20	850	5	5
25	710	13	8
30	600	22	9
35	500	35	13
40	425	43	8
45	355	45	2
50	300	48	3
60	250	55	7
70	212	66	11
80	180	81	15
100	150	93	12
PAN	PAN	100	7

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)