



**GMA GARNET GROUP**

*when your abrasive matters!*

# GMA PremiumBlast™ BLAST CLEANING ABRASIVE

## High Performance Maintenance Grade Garnet Abrasive

GMA PremiumBlast™ Garnet is a high performance, maintenance grade blasting abrasive that delivers the most efficient and cost-effective blast cleaning for surfaces that have heavy rust or thick coatings.

GMA PremiumBlast™ Garnet is ideally suited for surface preparation for maintenance and repair applications.

- ◆ Oil & Petrochemical industry maintenance, work in refineries and storage tanks as well as on-shore and off-shore installation
- ◆ Shipyards, conversion and repair, including antimagnetic and other special steels
- ◆ Maintenance of chemical plants, power stations, mining and processing equipment, gas and sewerage plants, desalination and industrial plants
- ◆ Building industry and structural steel
- ◆ Construction and maintenance of containers and tanks, tank trucks and rail tanks, as well as wagons and coaches

### GMA PremiumBlast™ Garnet has many unique & money saving advantages

**Superior Cleaning Rate** - up to twice the performance of conventional abrasives, with more grains per volume (typical 13 million grains per kg) of active abrasive particles impacting the surface. You can achieve a rate of 15-20m<sup>2</sup> per hour.

**Low Consumption Rates** of 10-12kg/m<sup>2</sup> are easily achieved. Recyclable up to 4-6 times under normal conditions because of its superior toughness and low friability (7.5-8.0 Mohs). You can expect a 60% reduction in garnet consumption when recycling.

**SA3 White Metal** is effortlessly achieved. The shape and size of the grains ensure an even surface profile of 50-85 microns at 100psi at the blast nozzle.



# The Popular Blast Abrasive for Heavy Rust and Thick Coatings

GMA PremiumBlast™ Garnet provides optimum blasting efficiency and economy if used correctly.

**1** Ensure the nozzle air pressure is 95-100psi (measured at the nozzle).  
Note: for every 1psi under, 100psi your efficiency is reduced by 1.5%, i.e. at 70psi you are blasting at 55% efficiency.

**2** Check nozzle pressure with a hypodermic needle gauge frequently.

**3** Check your nozzle frequently for wear and replace when worn. This ensures optimum productivity is maintained.

**4** Check all blast pot fittings, hoses and hose couplings, both air and air/abrasive. If anything is incorrect, repair immediately. Any air leak means a loss of pressure at the nozzle.

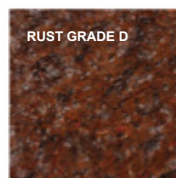
**5** Use an efficient moisture removal system that does not cause a pressure drop.

**6** Fit an abrasive valve that can accurately meter the abrasive flow to ensure correct air/abrasive mix in the blast hose. It is very important to make sure abrasive metering is accurate.

**7** Ensure all blast pots are supplied by an air hose that has a minimum id of 40mm (1 1/2") preferably 50mm (2"). This hose must be fitted with non-restrictive coupling fittings.

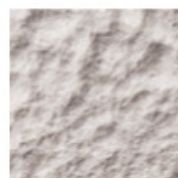
**8** The air piping on your blast pot must be a minimum of 32mm id (1 1/4"). Be sure that full port ball valves are used on the choke valve. Do not use reduced port valves anywhere in the system as a pressure drop will occur because of restricted air flow through the ball valve

UNBLASTED



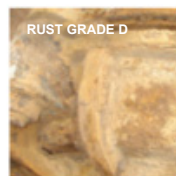
Very rusty steel with extensive pitting to the surface

BLAST CLASS 3



Complete blast clean with consistent metal colour all over & no visible contaminants

UNBLASTED



Steel with heavy rust & scale

BLAST CLASS 3



Complete blast clean with consistent metal colour all over & no visible contaminants

For more information, write to:

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