



**GMA GARNET GROUP**

*when your abrasive matters!*

# GMA NewSteel™ BLAST CLEANING ABRASIVE

High Performance New Steel Garnet Abrasive

GMA NewSteel™ Garnet is a high performance blasting abrasive, that delivers the most efficient and cost-effective surface preparation on new steel surfaces, light rust or thin coatings.

GMA NewSteel™ Garnet is ideally suited for surface preparation in the fabrication industry.

- ◆ Construction of chemical plants, power stations, mining and processing equipment, gas and sewerage plants, desalination and industrial plants
- ◆ Construction and maintenance of containers and tanks, tank trucks and rail tanks, as well as wagons and coaches
- ◆ Construction in the building industry and structural steel
- ◆ Stainless Steel
- ◆ Stone building facades and monuments

## **GMA NewSteel™ Garnet has many unique & money saving advantages**

**Superior Cleaning Rate** - up to twice the performance of conventional abrasives, with more grains per volume (typical 28 million grains per kg) of active abrasive particles impacting the surface. You can achieve a rate of 20-25m<sup>2</sup> per hour.

**Low Consumption Rates** of 7-10kg/m<sup>2</sup> are easily achieved. Recyclable up to 6-8 times under normal conditions due to its superior toughness and low friability (7.5-8.0 Mohs). You can expect a 70% 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 45-55 microns at 100psi at the blast nozzle.



## The Most Efficient Blast Abrasive for New Steel, Light Rust & Thin Coatings

GMA Newsteel™ 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 the 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 due to restricted air flow through the ball valve.

UNBLASTED



Steel with millscale layer intact & very minor, or no rusting

BLAST CLASS 3



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

UNBLASTED



Steel with spreading surface rust & millscale commencing flaking

BLAST CLASS 3



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

For more information, write to:

[sales@garnetsales.com](mailto:sales@garnetsales.com) or visit [www.garnetsales.com](http://www.garnetsales.com)

GMA Garnet Pty Ltd, Level 18, Exchange Plaza  
The Esplanade Perth, Western Australia, 6000

PO Box Z5331, Perth, WA 6831

Tel: +61 8 9287 3200 Fax: +61 8 9287 3201



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