



BLAST CLEANING ABRASIVE

GMA ClassicCut™ 80

Ideal for a wide variety of waterjet cutting applications, GMA ClassicCut™ consists of the highest quality alluvial almandine garnet engineered to achieve optimum surface finish and cutting speeds.



The World's Most Popular Waterjet Abrasive

GMA ClassicCut™ 80 is the world's most popular waterjet abrasive, recognised as the industry standard waterjet cutting abrasive among manufacturers globally.

Ideal for a wide variety of waterjet cutting applications, GMA ClassicCut™ consists of the highest quality alluvial almandine garnet engineered to achieve optimum surface finish and cutting speeds.

Performance

Most versatile, pure alluvial garnet abrasive considered an industry standard worldwide.

- **Mesh:** 80 mesh
- **Focusing tube:** 0.762 - 1.02 mm
- **Orifice:** 0.254 - 0.356 mm

Features

- **Superior performance:** Delivers peak performance and longer operating life.
- **Operational efficiency:** Minimise downtime and reduces consumption.
- **Higher cut quality:** Consistent and guaranteed high production rates and perfect cutting edge.
- **Industry standards:** Recognised industry standard amongst manufacturers.



Major Industries & Applications

Stone cutting

Glass cutting

Ceramics

Medical devices

Aerospace

Automotive

Average Chemical Composition (Typical)

SiO₂ *	36%
Al₂O₃	20%
Fe₂O₃	35%
MgO	6%
CaO	2%
TiO₂	3%
MnO	1%

*Refers to SiO₂ 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)	7.5 – 8.0
Melting Point	1250°C / 2250°F
Shape of Natural Grains	Sub-Angular

Mineral Composition (Typical)

Garnet (predominately Almandine)	> 90%
Ilmenite	< 3%
Quartz (free silica)	< 0.1%
Others	< 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
40	425	0	0
45	355	3	3
50	300	23	20
60	250	55	32
70	212	78	23
80	180	92	14
100	150	98	6
PAN	PAN	100	2

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)