**Maximum Abrasive Performance.**

**Faster Finished Results.**

**Higher Productivity. Lower Costs.**
Garnet abrasives are harder, heavier and more durable than many other mineral blast abrasives. Barton’s garnet abrasives cut faster resulting in rapid job completion with reduced abrasive consumption, handling and disposal costs, and are ideally suited to recycling; typically providing three to five turns, making it one of the most economical mineral abrasives on the market.

**Superior Surface Quality.**
Barton’s grades of garnet abrasive produce a super clean surface finish with a uniform profile that is virtually free of particle embedment. Clean surface finish and uniform profile means better coating adhesion and longer coating life.

**Low Dusting. Better Visibility. Safe to Use.**
Barton’s garnet is 100% natural, non-ferrous inert mineral containing less than 1% free silica and no detectable levels of heavy metals. Our garnet poses little or no health or environmental risks. Garnet produces less dust than many other blast abrasives resulting in improved visibility, less disruption to adjoining work areas and safer working conditions.

Barton garnet and Barton’s selected imported garnet meet all the current industry standards including SSPC AB-1 (Type 1, Class A), US Navy Mil-A-22262B(SH). All of Barton’s blast media grades are QPL listed and CARB approved.

**Garnet: Nature’s Best Abrasive**

**The harder and heavier the abrasive, the shorter the blast time.**
Barton’s garnet is 2 to 4 times harder, and up to 2 times heavier than other mineral abrasives such as crushed glass, coal slag, and staurolite.

The table to the left compares the hardness and density of Barton’s garnet to that of other typical blasting abrasives. It is the physical properties – high specific gravity (density) and hardness that make Barton’s range of garnet the ideal material for abrasive blasting. Blasting with softer, less dense abrasives, or using other garnets high in impurities will not clean as quickly or effectively and may leave behind an inconsistent, uneven profile with embedments which may result in premature coating failure wasting both time and money.
Applications

Ship Building and Repair
Barton supplied garnet is used extensively in shipyards throughout North America for removing coatings, mill scale, and rust. It is ideal for feathering when blasting welds or construction damage. Low dust levels improve working conditions and productivity in tanks, voids, and confined spaces. Proven shipyard applications include hulls, superstructures, weapons systems including the US Navy Vertical Launch Systems (VLS), all types of exterior projects, internal tanks, and substrates ranging from steel and stainless steel to aluminum.

Industrial Painting Contractors
General facility maintenance, turnarounds, tanks, and blast room projects are just a few of the applications where garnet abrasives from Barton help contractors increase productivity, shorten project duration and reduce costs, getting assets back into service faster.

Petro-Chemical
Applications include storage tanks, offshore platforms, pipe racks and pipelines. High productivity rates with garnet abrasives speed completion of turnaround jobs and reduce costly asset downtime.

Blast Rooms/Heavy Equipment Repair
Non-ferrous garnet is used in blast room applications where aluminum surfaces, sensitive substrates or installed electrical components prevent the use of steel grit or shot. Typical heavy equipment applications involve the MRO of rail cars, construction, farm, and military equipment and vehicles.

Powder Coating
Powder coaters value the high-quality surface finish and uniform profile created by garnet supplied by Barton. The inherent toughness of garnet allows several re-uses of the abrasive in blast room applications.

High-Performance Grades for Every Application
Barton supplies high-performance garnet abrasives for a wide variety of blasting applications. Below are our most commonly used grades.

36 – Coarse
Typically produces a 3.5 to 4.5 mil profile on steel surfaces. Used to remove thick coatings and marine anti-fouling (20 – 50 mils) and pack rust.

XF – Special Purpose
Typically produces a 3.2 mil profile on steel. XF is used to quickly remove thick or tough coatings (20+ mils) without leaving behind excessive profile.

30x40 – Intermediate
Typically produces a 2.5 to 4.0 mil profile on steel. Used to remove coatings (up to 40 mils) and heavy rust while controlling profile.

30x60 PLUS™ – Medium
Typically produces a 2.5 to 3.5 mil profile on steel. A workhorse grade used for new steel and maintenance work on coatings up to 20 mils.

80 Mesh – Medium Fine
Typically produces a 1.8 – 2.5 mil profile on steel. Also used on aluminum and other sensitive substrates. Barton’s 80 Mesh is the preferred abrasive for most vapor blasting applications.

100 HPA – Fine
Typically produces a 1.5 to 2.0 mil profile on steel. Used on aluminum, fiberglass and for removal of rust and mill scale on new steel. An excellent, low-dusting replacement for staurolite.

Profiles cited above are typical results for dry blasting applications at usual pressures (90-100 PSI). Profile depends on the substrate material, coating type and thickness, pressure at the nozzle and other factors. The proper grade of Barton garnet abrasive selected should be based on test results conducted under actual field conditions.

All Barton garnet blasting abrasives are Mil-Spec, QPL listed, and CARB certified.

Packaging – 55-lb. paper bags, 4,400-lb. bulk bags, and bulk.

For additional information and to find a stocking location, please contact us:

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