

Field Notes

East Coast shipyard **cuts blasting costs almost 30% with Barton**



Coal or copper slag has long been the standard shipyard blasting abrasive because of its low price. But a comparison trial convinced an East Coast shipyard that they could realize significant savings by switching to garnet despite its higher initial cost.

Trial parameters were to remove 12-20 mil epoxy coating and 3/16" non-skid surface from an Army landing vessel in for general refurbishment. All blasted surfaces were to be brought to an SSPC-10 finish.

Open nozzle time and garnet consumption were closely monitored and compared with data from blasting with slag. The results with the garnet sold by Barton were impressive:

- Abrasive consumption 69% LESS
- Disposal costs 69% LESS
- Total blasting time 36% LESS
- Dust generation 75% LESS

By switching to garnet sold by Barton, the shipyard is assured of getting top-quality results and excellent value, together with many added benefits. Worker safety and visibility are greatly improved in the low-dust environment, and blasting is now possible regardless of wind direction.

BARTON

World Class Garnet Abrasives



World Class Garnet Abrasives

Cost-Efficient – Garnet sold by Barton cuts faster, minimizes consumption, maximizes productivity.

Low Dust Generation – Improves operator safety and visibility, reduces cleanup costs.

Safety Approved – Little to no risk to human health or the environment. Most garnet products sold by Barton are MIL-Spec certified.

Superior Surface Preparation – Ideal for use on steel, stainless steel, aluminum and other substrates. Improves coating adhesion and durability by producing a clean substrate with a uniform surface profile.

Abrasive Performance Comparison

Average air pressure at venturi nozzles 100 psi based on multiple daily needle gauge readings. New Schmidt Microvalves used, open 1.5-1.75 turns.

	Barton Garnet	Coal Slag	Garnet Savings
Abrasive Consumption	3.7 lbs/ft ²	12.1 lbs/ft ²	8.4 lbs/ft ²
Total Nozzle Hours	100%	157.1%	36.3%
Total Abrasive Cost	100%	106.6%	6.2%
Total Disposal Cost	100%	324.7%	69.2%
Compressor Fuel	100%	157.1%	36.4%
Total Cost Impacted by Abrasive	100%	136.1%	26.5%

www.barton.com

Barton
Blast Media Division
Six Warren Street
Glens Falls, NY 12801
USA/Canada 800.741.7756
Phone: 518.798.5462
Fax: 518.798.5728
E-Mail: info@barton.com