

Surface Preparation on U.S. Coast Guard Patrol Boats

U.S. Coast Guard Detachment uses dry, low dust, reusable, Sponge-Jet® Sponge Blasting™ System to remove paint and contaminants on patrol boats



The need for a dry, low dust, reusable, abrasive blasting technology was the reason a U.S. Coast Guard Industrial Support Detachment switched to using the Sponge-Jet Sponge Blasting System for surface preparation. In place of using conventional abrasives, they now Sponge Blast their 41, 44, 46, 47 and 55 foot Patrol Boat interiors and exteriors. This Industrial Support Detachment uses Silver Sponge Media™ abrasives to remove an average of ten mils of epoxy topcoat and primer.

Efforts to improve repair efficiency on Patrol Boats led to the following process constraints and the subsequent use of the Sponge Blasting system:

- **Simple Containment** - The extensive containment required, when using high pressure water, to control slurry or runoff, would be cost prohibitive.
- **Low Airborne Dust** - Conventional abrasive blasting with a costly negative air system would be required to lower airborne dust.
- **Media Reusability** - The reusability of Sponge Media abrasives reduced total project costs by lowering the amount of media purchased, consumed, handled and disposed.



Visit Sponge-Jet, Inc. at
www.SpongeJet.com
or call **603-610-7950**
to learn more about the
Sponge Blasting System

Maintenance teams report successful Sponge Blasting on patrol boats largely due to the dry, low dust, low volume and low waste characteristics of Sponge Media abrasive. This US Coast Guard Detachment currently uses Sponge Media and the Sponge Blasting System for all internal and external surface preparation.