

Sponge MediaTM Abrasive Products

Advanced composite abrasive blasting media
for superior surface preparation worldwide

25+	95%	100%
Media Types	Dust Reduction	Recyclable

INTRODUCTION

Sponge-Jet, based in Newington, NH, is the world's leading manufacturer of dry, low-dust, recyclable abrasive blasting media and related equipment. Sponge-Jet has engineered a comprehensive line of composite abrasives incorporating high-performance abrasive or micro-abrasive particles within a resilient synthetic sponge matrix. This unique construction delivers superior results across the full spectrum of surface preparation from aggressive industrial coating removal and high-profile blasting of steel and concrete, to delicate cleaning on sensitive or heritage substrates. On impact, the sponge flattens to expose abrasive, cleans and profiles the surface, then expands to create a vacuum that draws debris back into the sponge cell, dramatically reducing fugitive dust and airborne contaminants through Sponge-Jet's proprietary MicroContainment™ Technology. With over 25 distinct media types, each optimised for specific abrasives, grit sizes, and applications, Sponge Media™ products are the sustainable, safe, and high-performance choice for industrial contractors, shipyards, infrastructure owners, and environmental specialists worldwide.

KEY HIGHLIGHTS

✓ MicroContainment™ Technology Sponge cells expand on rebound to capture up to 95% of dust and debris, drastically reducing fugitive emissions on every job site.	✓ 25+ Specialized Media Types Tailored abrasive formulations for every surface preparation challenge, from micro-polishing optics to aggressive concrete profiling.
✓ Up to 95% Recyclable On-Site Media is recovered and recycled immediately on site, minimising waste disposal costs and time for maximum project efficiency.	✓ CARB Certified Options Multiple grades certified by the California Air Resources Board, meeting the world's strictest air quality and environmental standards.
✓ Hazardous Environment Qualified Fully qualified for nuclear remediation, lead paint, PCB, and asbestos abatement in the most heavily regulated environments.	✓ Dry Process - No Water Required Fully dry system operates safely in confined spaces, near electronics, bearings, seals, and all moisture-sensitive equipment.
✓ Reduced Ricochet and Containment Low-rebound media stays in the blast zone, reducing damage to adjacent coated surfaces and eliminating costly masking work.	✓ One System Replaces Many Technologies Covers conventional abrasive blast, power tools, vacuum blasting, and wet abrasive blast across all surface preparation applications.

PRODUCT CATALOG - ALL SPONGE MEDIA™ TYPES

HEAVY PROFILING



Silver 16 Sponge Media™

Third most commonly used Sponge Media for industrial coating removal and surface preparation. Silver 16 is ideal when a very coarse, angular profile is specified for the coating to be applied. Impregnated with 16-grit Aluminum Oxide for highly aggressive abrasion and surface profiling on metals and concrete.

- Very coarse angular profile for maximum coating adhesion
- 16-grit Aluminum Oxide for highly aggressive abrasion
- Ideal for heavy industrial, marine and infrastructure projects
- Excellent recyclability with up to 25+ reuse cycles

MOST POPULAR

Silver 30 Sponge Media™

The most commonly used Sponge Media for industrial coating removal and surface preparation. Silver 30 is ideal when a coarse, angular profile is specified for the coating to be applied. Impregnated with 30-grit Aluminum Oxide for aggressive abrasion and profiling.

- Coarse angular profile - the industry standard choice
- CARB certified - meets California air quality standards
- 30-grit Aluminum Oxide composite abrasive
- Suitable for steel, concrete, and masonry substrates



FINE DETAIL

Silver 30DG Sponge Media™

Fine-particle Sponge Media optimised for detailed surface work and increased production on intricate geometries. The fine particle size allows for more uniform treatment. Recyclability is lower than standard products - best suited for controlled environments.

- Fine grit for uniform treatment of complex geometries
- Higher production rate on detailed and intricate surfaces
- Lower recyclability - optimised for single-pass scenarios
- Best in controlled indoor or containment environments



2ND MOST POPULAR

Silver 60 Sponge Media™

The 2nd most commonly used Sponge Media for industrial coating removal. Silver 60 delivers a moderate, angular profile and is suitable when the specified profile must remain below 50 microns (2 mils). Ideal for precision coating systems where tight profile control is required.

- Moderate angular profile below 50-micron (2 mil) tolerance
- 60-grit Aluminum Oxide - balanced speed and control
- CARB certified - low environmental impact
- Ideal for architectural and precision industrial finishes



FINE DETAIL

Silver 60DG Sponge Media™

Fine-particle version of Silver 60 for more uniform treatment of detailed surfaces and increased production. Recyclability is lower; ricochet and dust are more pronounced compared with standard Sponge Media products. Recommended for controlled or enclosed environments.

- Fine 60-grit particle size for intricate surface work
- More uniform coverage on complex geometries
- Lower profile than standard Silver 60
- Controlled-environment use recommended



PRECISION PREP

Silver 80 Sponge Media™

Designed for industrial coating removal and surface preparation where a finer profile is needed. Slower than Silver 60 but suitable when the specified profile must remain below 50 microns (2 mils). Impregnated with 80-grit Aluminum Oxide for controlled surface preparation.

- Finer 80-grit for controlled low-profile applications
- Profile tolerances maintained below 50 microns (2 mils)
- CARB certified - clean and sustainable choice
- Suitable for metals and concrete substrates



ULTRA-FINE



Silver 120 Sponge Media™

Ultra-fine Sponge Media for sensitive industrial surface preparation and the resurfacing of existing coatings or delicate substrate treatment. The fine abrasive particle allows extremely controlled material removal rates ideal for precision or restoration applications.

- Ultra-fine grit for highly delicate substrates
- Suitable for resurfacing existing coatings
- Minimal substrate damage with highly controlled abrasion
- Ideal for restoration and conservation projects

DELICATE CLEAN

Silver 220 Sponge Media™

Provides very fine, uniform abrasion for the most sensitive surface preparation needs. Ideal where the substrate integrity must be maintained and only light surface conditioning or cleaning is required. Leaves a polished, consistent surface finish with minimal material removal.

- 220-grit for highly sensitive substrate applications
- Extremely uniform, polished surface finish
- Minimal material removal - surface conditioning only
- Used in aerospace, fine metalwork and art restoration



SURFACE POLISH



Silver 320 Sponge Media™

Engineered for the finest surface conditioning and light polishing. Silver 320 produces a virtually profile-free surface while removing surface oxides and light contamination. Perfect for applications requiring cosmetic surface preparation without any measurable anchor profile.

- Profile-free conditioning and polishing applications
- Removes surface oxides and light contamination
- Ideal for cosmetic surface preparation requirements
- Used in medical device and precision component manufacturing

MICRO POLISH

Silver 320DG Sponge Media™

The finest grit DG (Dense Grain) variant for micro-polishing and ultra-fine surface treatment. Lower recyclability than standard products but provides exceptional uniformity for the most demanding precision surface finishing applications in highly regulated industries.

- Ultra-fine micro-polish for precision surface finishing
- Dense grain for consistent, uniform abrasion pattern
- Exceptional surface cleanliness at sub-micron finish level
- Suitable for electronics, optics, and precision tooling



MICRO FINISH



Silver 500 Sponge Media™

The finest Sponge Media abrasive in the Silver range, designed for micro-finishing and the most delicate surface treatment requirements. Produces an extremely smooth, clean surface with essentially no anchor profile - reserved for precision-critical applications.

- Finest abrasive in the entire Silver product range
- Micro-finishing for precision-critical surface applications
- Near-zero anchor profile for pure surface cleanliness
- Used in optics, semiconductors, and fine instrument manufacturing

HEAVY RUST REMOVAL

Red Sponge Media™

Selected when deep removal by impact is more important than abrading, particularly effective for heavy packed (Grade D) rust and severe pitting. Impregnated with steel grit for aggressive abrasion and profiling of metals and concrete across demanding industrial environments.

- Optimised for Grade D rust and deep pitting removal
- Steel-grit abrasive for maximum impact force and penetration
- Achieves SP-5 near-white metal surface finish standard
- Widely used in marine, oil and gas, and heavy infrastructure



DRY CONTAMINANT REMOVAL



Green Sponge Media™

Designed for contaminant removal and absorption without moisture and without collision-energy damage to delicate substrates. Impregnated with a fibrous cleaning agent to remove contaminants not easily wiped clean such as smoke residue, oil, wax, and organic deposits.

- Removes smoke, oil, wax, and embedded organic contaminants
- No moisture required - safe for electronics and sensitive equipment
- Minimal impact energy preserves delicate substrate integrity
- Ideal for heritage restoration and fire damage remediation

SOFT ALLOYS

Blue Sponge Media™

Engineered for the preparation of soft alloys where a low-build coating system is specified. Provides gentle but effective abrasion suitable for aluminium, copper, and other non-ferrous metals that would be damaged by conventional abrasive blasting media.

- Specifically formulated for soft alloys including Al and Cu
- Gentle profile for low-build coating system specifications
- Prevents substrate deformation on non-ferrous metals
- Ideal for aerospace components and architectural metalwork



VALUE / CONSTRUCTION



CB 2.0 Sponge Media™

A value-oriented blended Sponge Media providing fast removal of light mill scale with reduced recyclability - a practical choice where full media recovery is not possible. Impregnated with a proprietary Garnet blend for effective profiling of metals, concrete, and a wide range of materials.

- Cost-effective for limited media recovery applications
- Garnet-blend abrasive excellent for construction weld prep
- Ideal for ship builders and new construction projects
- Profiles steel, concrete, and wide range of substrates

Super Media™ 1

Engineered to aggressively remove coatings and contaminants while imparting a very high profile on steel and concrete. Ideal for polyurea and rubberised coating removal, hazardous abatement, blast mitigation coating preparation, and nuclear remediation work.

- Removes polyurea, rubberised coatings and hazardous materials
- Achieves ICRI CSP-7 concrete profile without fracturing aggregate
- Removes 6mm concrete at 11 m²/hr without damaging aggregate
- Used in nuclear remediation and radiological decontamination



COATING STRIP / NO ETCH



White Plastic Sponge Media™

Formulated to remove applied coatings without etching or profiling steel or aluminium substrates. The ideal choice when a low-build coating system is specified, or when the substrate must be preserved completely intact following coating removal operations.

- Strips coatings without profiling or etching the substrate
- Suitable for aluminium and non-ferrous metal substrates
- Ideal preparation for low-build and thin-film coating systems
- Preserves substrate dimensional tolerance throughout process

PEENING / BURNISH

White Glass Bead Sponge Media™

Combines the MicroContainment benefits of Sponge Media with the compressive stress-inducing properties of glass bead peening. Ideal for improving fatigue life of metal components while containing glass bead dust and ensuring worker safety during peening operations.

- Induces compressive residual stress for fatigue life improvement
- Contains glass bead dust for safer worker environment
- Produces bright satin-smooth burnished surface finish
- Used in aerospace, automotive and precision component manufacturing



CONTAMINANT CONTROL



White SPOCC Sponge Media™

SPOCC (Sponge-Jet Oil Contamination Control) media is specially engineered to remove contaminants without high surface impact energy and substrate damage. Designed for sensitive or contaminated surfaces where conventional abrasives would cause unacceptable damage or spread contamination.

- Removes oil-based contaminants without substrate damage
- Low impact energy suitable for highly sensitive surfaces
- Prevents cross-contamination during blasting operations
- Ideal for food processing, marine, and chemical plant preparation

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