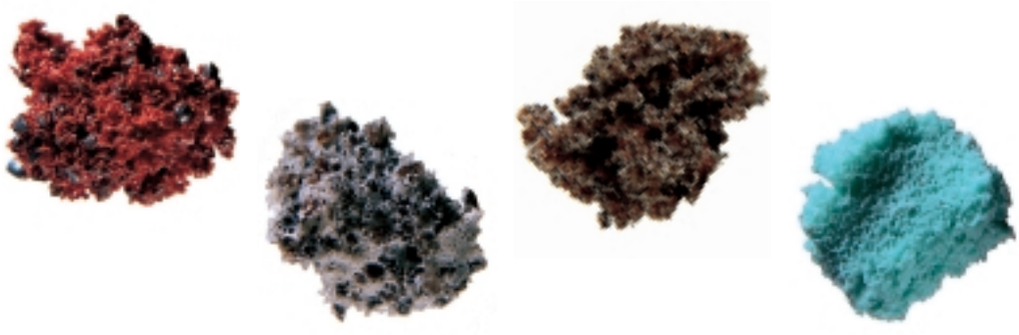
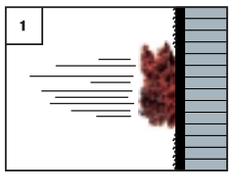
Sponge-Jet

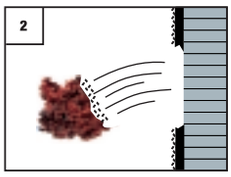
Explore how facility management, painting contractors and corrosion engineers are employing fast, clean, dry, safe, flexible industrial surface preparation at a total job cost often much lower than traditional blasting, chemical stripping or hand tooling.



Sponge Media™ abrasives are open-celled, polyurethane particles, impregnated with one of several different abrasives. As a result, they have several cost, time and money-saving benefits. The pliant nature of Sponge Media abrasives allow its particles to flatten on impact (fig. 1), exposing the abrasive. After leaving the surface, the media constricts, (fig. 2) pulling and entrapping most of what would normally have become airborne contaminants. Sponge-Jet refers to this bundle of value-added qualities as Sponge Media's MICROCONTAINMENT™ feature.



Sponge Media abrasives allow its particles to flatten on impact exposing the abrasive…



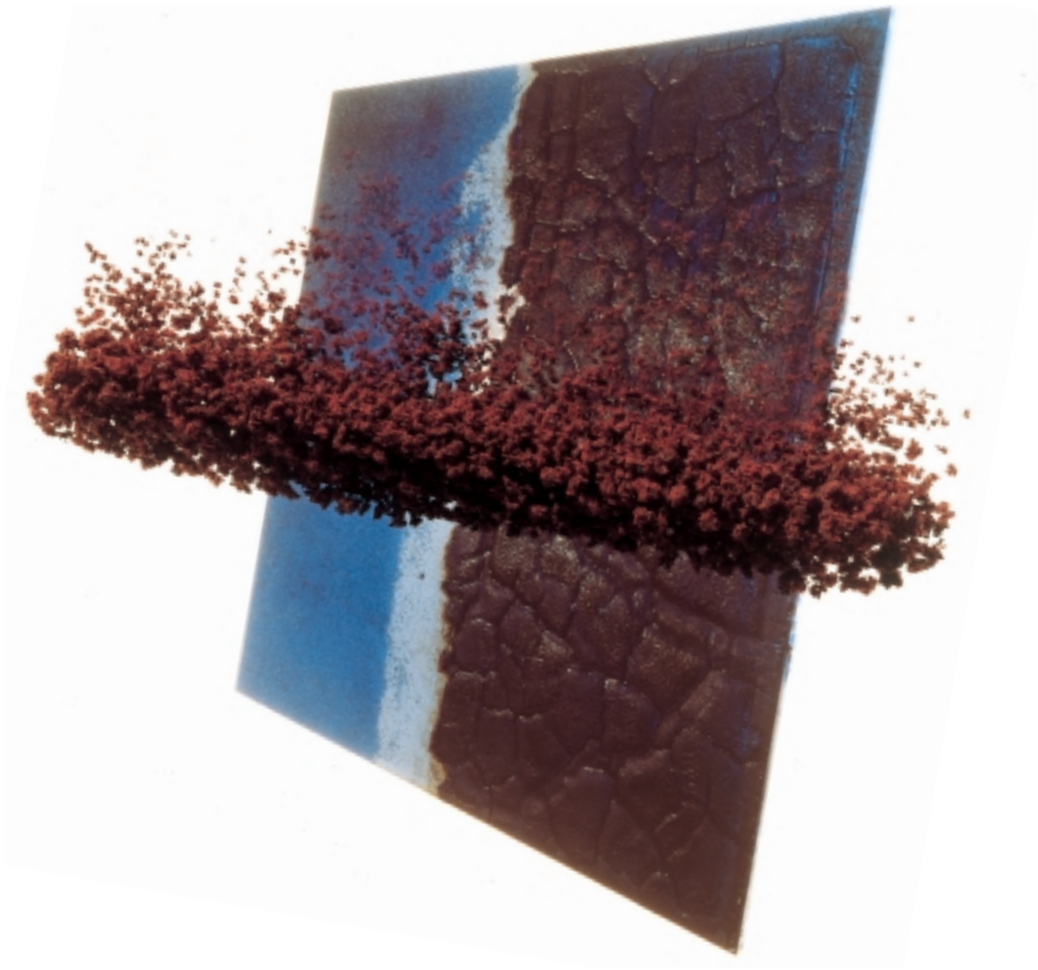
pulling and entrapping most of what would normally have become airborne contaminants.

Sponge-Jet's Sponge Blasting™ System consists of the Sponge-Jet Feed Unit,™ Sponge-Jet Media Classifier,™ and a variety of different Sponge Media abrasives are designed to offer a dry, low dust, low rebound, reusable abrasive.

Sponge-Jet Feed Units deliver Sponge Media abrasives to the surface. Feed Units are designed to meet the specific flow characteristics of Sponge Media. A pneumatic control panel provides precise adjustment of blast pressure and media feed rate.

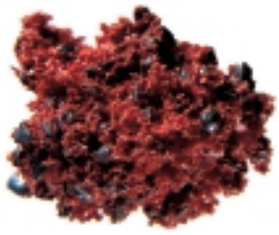
Sponge-Jet Media Classifiers prepare and clean media for recycling. Blasted media is collected and processed through either an electrically or pneumatically powered classifier, which separates the Sponge Media abrasives into three categories: oversized debris, reusable media, and fines (consisting of spent media and dust). Up to 90% of Sponge Media abrasives are reusable after each blast cycle.

Red



Our heaviest hitter for the toughest coatings

Sponge-Jet Red Sponge Media is the powerhouse of the Sponge Media line-up. Containing steel grit, Red Media is the choice for surface preparation on deteriorated surfaces and for removing elastomeric or other extremely thick coating systems–while suppressing airborne dust. When a deep profile is required, Red Media is capable of producing a 4+ mil profile on steel. Best for heavy industrial coatings removal and tank lining removal from petrochemical storage tanks and railcars.



PRODUCT

Sponge-Jet Red Sponge Media featuring MICROCONTAINMENT™ technology

APPLICATIONS

Heavily rusted steel or removal of heavy coatings where a deep profile is required. Easily removes mill scale and elastomeric coatings.

PROFILE	ABRASIVE	CLEANING RATE	AVERAGE RECYCLES
4+ mil	**Steel Grit**	**1-3 sq. feet/minute**	**6-8***

SPONGE-JET® Sponge Blasting™ System

**Reuse rate vary based on contaminant characteristics, blast pressure, and collection process.*

Silver

Fast and aggressive for tough industrial coatings

Fast cutting and aggressive, Sponge-Jet Silver Sponge Media with aluminum oxide is the best choice for tough industrial and commercial coating removal projects. Capable of producing a 3+ mil profile on steel, Silver Media allows you to clean, remove paint, and profile steel in one dry, low dust step. Low rebound means you can blast in close proximity to operating machinery and reduce shutdown time. Silver Sponge Media is suited for coatings removal and surface preparation in the petrochemical, pulp and paper, power generation, marine, manufacturing, military and offshore industries.

PRODUCT

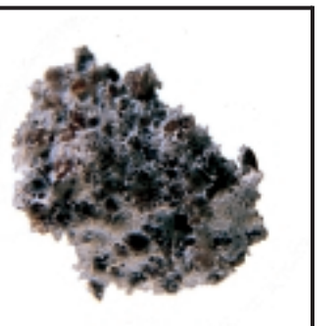
Sponge-Jet Silver Sponge Media featuring MICROCONTAINMENT™ technology

APPLICATIONS

Fast cutting and aggressive. Used for a wide range of commercial, industrial, marine and military coating removal projects.

PROFILE	ABRASIVE	CLEANING RATE	AVERAGE RECYCLES
1.5-4 mil	**Aluminum Oxide**	**1-3 sq. feet/minute**	**7-10***

SPONGE-JET® Sponge Blasting™ System



**Reuse rate vary based on contaminant characteristics, blast pressure, and collection process.*

Sponge-Jet® Brown Sponge Media™

Effective for removing light coatings and for brush-blasting

For light coatings removal or to leave minor surface profiling, Sponge-Jet Brown Sponge Media with Dupont Starblast® is the right choice. It makes quick work of light rust, cracked or peeling paint and light industrial coatings–leaving up to a 2-mil profile on steel. Brown Media is also a good choice for coatings removal and surface preparation on ferrous-sensitive substrates or on softer metals and alloys where a controlled surface etch is required. Brown Sponge-Media is excellent for brush blasting applications–especially where dust suppression is important.

PRODUCT

Sponge-Jet Brown Sponge Media featuring MICROCONTAINMENT™ technology

APPLICATIONS

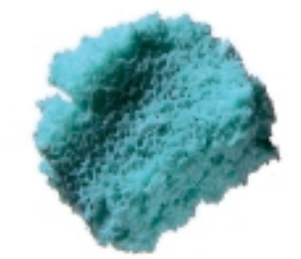
Light to moderate rust, weathered coatings and old paint. Also used for brush blasting existing paint or between coatings for increased adhesion.

PROFILE	ABRASIVE	CLEANING RATE	AVERAGE RECYCLES
2 mil	**Dupont Starblast®**	**1-2 sq. feet/minute**	**6-8***

Sponge-Jet® Green Sponge Media™

The flexible cleaner for tough industrial jobs

The mild abrasive, Sponge-Jet Green Sponge Media is best cleaning aged dirt, grease, oil, and soot from high-value machinery, brick, concrete and other hard substrates. Green Media is well suited for cleaning tasks where nooks, crannies, hoses or fittings make hand cleaning difficult or impossible. Manufacturing residue can be removed while protecting the safety of your workers and equipment. With production rates up to ten square feet per minute, Green Sponge Media can significantly cut labor costs for many cleaning tasks.



PRODUCT

Sponge-Jet Green Sponge Media featuring MICROCONTAINMENT™ technology

APPLICATIONS

Grease and oil removal from hard substrates and heavy machinery without damage to hoses or fittings. Dirt and soot removal from concrete and steel, and other masonry substrates.

PROFILE	ABRASIVE	CLEANING RATE	AVERAGE RECYCLES
None	**Very Mild**	**2-10 sq. feet/minute**	**10***

**Reuse rate vary based on contaminant characteristics, blast pressure, and collection process.*