

Founded in 1983, AMERI TECH (formerly Select-Tech) has produced the AMMO brand of plastic media since 1984. Our founders were instrumental in the introduction of plastic blasting media to the military in the mid 1980's when the AMMO brand media was used to strip paint surfaces off F-4 fighter aircraft at Hill Air Force Base in Utah.

AMMO Media has been an industry leader in both quality and customer satisfaction. As manufacturers of plastic blasting media, we have introduced many companies (including manufacturers, resellers and end users) around the world to plastic media blasting and we remain instrumental in the ongoing evolution of this versatile process for surface preparation.

AMERI TECH is committed to providing the highest quality, cost-effective products, in a wide range of mesh sizes, which meet or exceed customer requirements and assures complete customer satisfaction.

AMERI TECH Free Consultation, Analysis and Test Programs

Because of our experience with plastic blasting media in many applications, we offer several consultative programs at no cost. Our engineers and customer service representatives can recommend the best media for cleaning, stripping, deburring, deflashing, etching and other applications.

Based on the size or nature of the surface, a sample can be analyzed, blasted or stripped at our facility with the results provided.

Also, a complementary test sample quantity of the appropriate AMMO Media can be sent for a trial test at the customer's facility.

AMERI TECH AMMO Media

Providing Smooth Finishes to Surfacing Problems

Contact us for more information and free consultation, analysis and test programs

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Suggested Operating Procedures

Individual preferences may vary and usually dictate the end results of the finished product. Also, review the safety rules and operating procedures recommended by the manufacturer of your blasting equipment including:

- **Nozzle Size**—the stripping rate increases with the size of the nozzle and more media will be propelled. For example using a mesh size media or 12/16 would dictate the use of a minimum nozzle size of 3/16 inch.
- **Operating Pressure**—typically the operating pressure falls between 15 to 40 PSI. Higher pressures allow for quicker stripping rates but the media will break down faster limiting the number of recycles and will increase the amount of dust. Lower blast pressures requires less air compressor requirements resulting in less wear and lower maintenance costs. Also, lower blasting pressures allow for more control over the finished result as the layer/s of coating will be removed at a slower rate.
- **Air/Media Mixture**—standard removal rates range from 1/2 sq/ft per minute to 4 sq/ft per minute. Use of the media for the first few cycles permit faster stripping rates as there is less dust and more product propelled.
- **Nozzle Distance from Substrate**—the closer the distance to the substrate generally increases the stripping rate, with a suggested distance of 18 inches.
- **Nozzle Operating Angle to Substrate**—the suggested operating angle of the nozzle to the substrate or surface is an angle range of 30 to 45 degrees.
- **Plastic Media Mesh Size**—in general, larger mesh particle sizes permits more recycles while smaller particle sizes allow quicker stripping rates as more particles per given time impact the substrate or surface. Smaller mesh sizes may produce smoother finishes as the quantity of the particle permit an increased surface coverage.
- **Dwell Time**—less dwell time speeds the stripping operation and minimizes media degradation.

Helpful Hints

- 1) *Before the stripping/blasting process, remove as much dirt and debris as possible from the surface or substrate. This will ensure that your media stays clean for an optimal amount of time.*
- 2) *Use the proper equipment. Use only recommended and approved equipment from reputable manufacturers. For repetitive, long term blasting and stripping process, it is strongly suggested that the proper recycling equipment be installed. The advantage of using plastic media versus some other types of media is that it is a recyclable product. This makes the product more efficient and economical over the long term.*
- 3) *Types of equipment utilized for blasting/stripping operations range from small utility pressure blasting pots, portable blasting cabinets (manual or automated), blasting rooms and large stripping facilities (aircraft hangers) etc. Related equipment includes dust collectors, recovery systems (media reclaim), vacuum blast systems and air compressors and accessories. AMERI TECH does not manufacture any of this equipment, however we can suggest a number of resources that are renown in the industry.*



AMERI TECH AMMO Media Plastic Blasting Media

Plastic media blasting is an alternative method to chemical paint stripping and conventional sandblasting for paint and coating removal, cleaning, deburring, deflashing and general surface preparation.

For more than 25 years, **AMERI TECH AMMO Media** has been manufactured to be among the most consistently performing, multi-recyclable and economic product available. AMMO media, a dry blasting media, is manufactured within tight tolerances and conditions in an effort to obtain consistently sized product.

Choose from our abundant inventory of multiple mesh sizes of plastic blasting media, all competitively priced and ready for immediate shipment

AMERI TECH offers complementary consultation, analysis and testing at our facility. We also provide media samples for testing at customers' facilities.

AMERI TECH is an ISO 9001:2000 registered/certified company.

AMERI TECH AMMO Media Advantages:

Recyclable Economies

Based on conditions such as proper operating pressures and recycling equipment, plastic media can be recycled and reused. This recyclability combined with cost comparisons to expensive wet chemicals and agricultural media (wheat starch, corncob, walnut shell, baking soda and related products) makes for a very competitively priced form of blasting media.



AMERI TECH AMMO Media Plastic Blasting Media – Ideal for Multiple Stripping and Cleaning Applications

Aircraft Cleaning (de-painting)

Strip paint from commercial, private and military aircraft. Proven cost savings compared to chemical strippers (USAF study: Hill AFB stripping F-4 aircraft).

Automotive and Restorations

Removes paint from automobiles, trucks, forklifts, tractors and industrial vehicles. Ideal for restoration to remove paint, primer and powder coatings without pitting or contamination – leaving the substrate stripped and ready for recoating.

Electronic Deflashing

Deflash and remove resin bleed from electronic parts and circuit boards, including capacitors, transistors, resistors and many other components. Etch substrates for improved paint and printing ink adhesion.

Engines

Clean carbon deposits and residue from engine blocks, carburetors and components. Replace torching, burning, grinding and hand cleaning. No hazardous chemicals.

Favorable Outcomes

Unlike abrasives and toxic chemicals there is less surface distortion and residue left on the components.

Quality Production

The AMERI TECH quality manufacturing process results in a fully polymerized cured product with cured polymer resins (thermosets). The manufacturing process also results in consistent and accurate sizing of media—a must when a smooth substrate and finish is required.

Uniform Consistency

Manufactured within tight tolerances, hardness and sizing constraints resulting in uniform particle sizes, which in turn produces smooth, even surfaces and finishes.

Abundant Stock

AMERI TECH stocks many sizes and can custom mix any combination of mesh sizes and ship the same day or next day to destinations worldwide.

Non-Silicosis Factor

As a non-silica based and inert media, the inhalation of dangerous dust is minimized as a health hazard. Note, always use proper respiration equipment, ventilation and dust collectors.

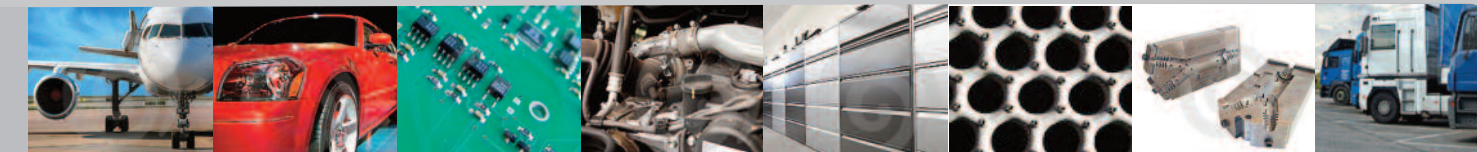


Anti-Static

The AMERI TECH proprietary Anti-Stat process virtually eliminates static clinging of the media to surfaces and equipment during the blasting process.

Non-Hydroscopic

The media will not absorb moisture and has a limitless shelf life. This is an advantage over the agricultural types of blasting media that are subject to mildew, mold and other harmful inhabitants.



Metal Furniture and File Cabinets

Remove debris and paint in a quick one-step process without chemical disposal for a clean substrate ready for refinishing.

Metal Parts and Die Castings

Non-abrasive deburring removes loose scale and burrs from machined metal parts and castings (including zinc and aluminum die castings) without distortions or affecting the substrate.

AMERI TECH AMMO Media 301 Specifications

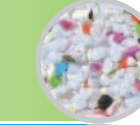
U.S. Standard Mesh Sizes:

(Actual Size)

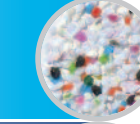
coarse – 12/16
(.066-.046 inches)



medium coarse – 16/20
(.045-.034 inches)



medium/fine – 20/30
(.033-.024 inches)



fine – 30/40
(.023-.017 inches)



*Other sizes and combination mesh sizes are available upon request.

Physical Description:

- Type II Urea Formaldehyde – Inert cured polymer resin particles – Non combustible – Free of all toxic and/or hazardous elements.
- Angular shaped granular particles, predominately white with some multi-colorization.
- Specific Gravity 1.45
- Hardness (Mohs Scale) 3.5
- Barcol Hardness 54 to 62
- Bulk Density (#/Cu. Ft.) 52
- Dielectric Constant 7.0
- Complies with U.S. Military Specifications MIL-P85891 (A).
- Packaged in 50 lb. plastic lined cartons or 250 lb. fiber drums.
- AMERI TECH AMMO Media 401 Type III Melamine is also available and priced on application.

AMERI TECH

Plastic Blasting Media