



The Best in Blast!®

ABRASIVES

Product Line Brochure

Abrasive Shipping Services

40+ Nationwide Shipping Locations

Marco ships more than 14,000 truckloads each year, direct to site, across the nation.

Dedicated Logistics Team

Marco, partnered with thousands of carriers nationwide, manages and monitors every aspect of your shipment saving you time and money.

Cost Savings Approach

Marco strategically combines our own warehousing and fulfillment facilities alongside supplier-direct shipments to provide fast, consistent delivery at lower prices.



Rental Equipment

Flexible Terms

All equipment is available for rent with daily, weekly, monthly, or long-term contracts.

Quality Equipment

Marco stocks only the highest quality equipment.

All of our rental equipment is expertly inspected and maintained.

All of our rental equipment is retired after only five years, ensuring that every piece of equipment offers all of today's features and advantages.

Availability

Marco's rental fleet includes over 1,000 pieces of equipment, offering more options and the greatest availability in the industry. Consumables can be rented or purchased directly from Marco's Rental Equipment Specialists.

Locations

With 7 rental locations across the United States, Marco can deliver the equipment you need, fast.

Our dedicated logistics team will help schedule delivery and pick-up of the equipment for you.

WHAT'S THE BEST ABRASIVE TO REMOVE YOUR COATING?

Every abrasive has different attributes. Which one is right for your application? It is important to know what type of coating you are removing. This easy-to-use guide will give you a starting point to identify abrasive types suitable for your coating. When selecting an abrasive, it is important to answer 4 key questions:

- What type of coating do you need to remove?
- Do you have environmental requirements on your worksite?
- Do you want to recycle your abrasive?
- What degree of cleanliness of the surface is required?

	Acrylic or Enamel	Urethane	Epoxy	Phenolic Epoxy	Polyurea	Page #
Coating Characteristics						
	Cohesive, some flexibility	Flexible	Hard and Brittle	Hard and durable	Rubbery and flexible	
General Dry Film Thickness						
	0.5-4 mils	3-8 mils	8-20 mils	20-80 mils	16-30 mils	
Suitable Abrasive Types						
Aluminum Oxide	x	x	x	x	x	4
Carbon Steel Grit		x	x	x	x	4
Carbon Steel Shot						5
Coal Slag	x	x	x	x	x	5
Copper Slag		x		x	x	6
Corn Cob						6
Crushed Glass	x	x	x			7
Garnet, Hard Rock		x	x	x	x	7
Garnet, Alluvial	x	x	x			8
Glass Beads	x					8
Plastic Media	x					9
Stainless Steel Grit						9
Stainless Steel Shot						10
Staurolite	x	x	x			10
Walnut Shell	x					11

Inhaling dusts from abrasive blasting may result in serious injury, disease, or death.

According to OSHA, only a Type CE NIOSH-certified blasting airline respirator with positive pressure blasting helmet should be used for abrasive blasting.

BROWN FUSED ALUMINUM OXIDE



DESCRIPTION:

Aluminum Oxide is used when an application is sensitive to rusting caused by ferric contamination and requires an extremely aggressive, hard abrasive.

MOST COMMONLY USED FOR:

- Stainless Steel Fabrication
- Internal Pipe Blasting
- Cleaning of Non-Ferrous Castings
- Precision Aviation and Turbine Blasting
- Automotive Brake Pad Manufacturing

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: 8-9 Mohs

Bulk Density: 105-125 lbs./cu.ft.

Specific Gravity: 3.8 g/cc

Free Silica: Less than 1%

Type: Manufactured

Recyclability: High

Surface Etching: High

PACKAGING OPTIONS

Bulk Bags: 2,000 lbs.

Drums: 400 lbs.

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 80-110 psi

Distance from Surface: 6-36 inches

CARBON STEEL GRIT



DESCRIPTION:

Carbon Steel Grit is a general-purpose abrasive used to remove thick coatings, heavy rust, and mill scale. Its angular shape cleans by aggressively cutting away at the surface leaving a uniform surface profile.

MOST COMMONLY USED IN/FOR:

- Abrasive Blasting Rooms
- Mobile Steel Grit Recycling Systems
- Bridge, Wind Tower, Ship, and Railcar Manufacturing/Maintenance

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: 40-60+ HRC

Bulk Density: 230-275 lbs./cu.ft.

Specific Gravity: Varies

Free Silica: No Free Silica

Total Chlorides: No Chlorides

Type: Manufactured

Recyclability: Very High

Surface Etching: High

PACKAGING OPTIONS

Drums: 1,500 | 1,700 | 2,000 lbs.

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 100-125 psi

Distance from Surface: 18 inches

CARBON STEEL SHOT



DESCRIPTION:

Carbon Steel Shot is a general-purpose abrasive used to remove mill scale and molding sand. Its high bulk density, low friability, consistent sizing, and low dust levels provide superior production rates.

MOST COMMONLY USED IN/FOR:

- Wheel Blast Equipment
- Closed Circuit Blast Systems for Steel Plate Blasting
- Cleaning Castings and Forgings
- Ship and Railcar Manufacturing/Maintenance

PHYSICAL CHARACTERISTICS

Shape: Round

Hardness: 40–51 HRC

Bulk Density: 289–298 lbs./cu. ft.

Specific Gravity: 4.8 g/cc

Free Silica: No Free Silica

Type: Manufactured

Recyclability: Very High

Surface Etching: None

PACKAGING OPTIONS

Drums: 2,000 lbs.

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 100-125 psi

Distance from Surface: 18 inches

COAL SLAG



DESCRIPTION:

Coal Slag is one of the most versatile abrasives available and is generally used for the removal of thick coatings, rust, and mill scale. It's widely used due to its profiling ability, economic price point, and availability.

MOST COMMONLY USED IN/FOR:

- Manufacturing/Maintenance of Storage Tanks, Water Towers, Bridges, Ships, Structural and Plate Steel, Offshore Platforms, and Oil Fields.

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: 6.0-7.0 Mohs

Bulk Density: 80-90 lbs./cu.ft.

Specific Gravity: 2.0-3.0 g/cc

Free Silica: Less Than 1%

Type: By-Product

Recyclability: None

Surface Etching: High

PACKAGING OPTIONS

Bulk Trucks: Available

Bulk Bags: 3,000 | 4,000 lbs.

Bags: 50 | 80 | 100 lbs

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 90-125 psi

Distance from Surface: 18-36 inches

COPPER SLAG



DESCRIPTION:

Copper Slag is an aggressive abrasive frequently used in new steel and steel maintenance applications. Its bulk density and angular shape give it an aggressiveness that provides clean, fast-cutting action, considerably increasing production rates.

MOST COMMONLY USED IN/FOR:

- Manufacturing/Maintenance of Storage Tanks, Water Towers, Bridges, Ships, Structural and Plate Steel, Offshore Platforms, and Oil Fields.

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: >6.0 Mohs

Bulk Density: 100–120 lbs./cu.ft.

Specific Gravity: 3.4-3.8 g/cc

Free Silica: Less Than 1%

Type: By-Product

Recyclability: None

Surface Etching: High

PACKAGING OPTIONS

Bulk Trucks: Available

Bulk Bags: 4,000 lbs.

Bags: 50 | 55 | 75 | 100 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 90-110 psi

Distance from Surface: 18-36 inches

CORN COB



DESCRIPTION:

Corn Cob cleans and polishes without damaging the surface. It is used as an alternative to other organic abrasives containing oils that may stain the substrate or affect coating adhesion.

MOST COMMONLY USED IN/FOR:

- Refinishing Log Homes and Cedar Siding
- Cleaning Stainless Steel Food Processing Equipment
- Applications where minimal sparking, non-ferrous abrasives are required

PHYSICAL CHARACTERISTICS

Shape: Angular to Subangular

Hardness: 4.0 Mohs

Bulk Density: 24-33 lbs./cu.ft.

Specific Gravity: 1.2-1.4 g/cc

Free Silica: No Free Silica

Type: Organic

Recyclability: Low

Surface Etching: None

PACKAGING OPTIONS

Bags: 40 | 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 60-90 psi

Distance from Surface: 6-36 inches

CRUSHED GLASS



DESCRIPTION:

Crushed Glass is a general-purpose abrasive used in a wide variety of applications. It cuts through mill scale and rust, providing a uniform mil profile while providing lower particle embedment than most other abrasives. It enhances the natural luster of the surface without discoloration.

MOST COMMONLY USED IN/FOR:

- Concrete Applications
- Brick/Limestone Restoration Work

PHYSICAL CHARACTERISTICS

Shape: Angular to Subangular

Hardness: 6.0 Mohs

Bulk Density: 80 lbs./cu.ft.

Specific Gravity: 2.2 g/cc

Free Silica: No Free Silica

Type: Recycled

Recyclability: None

Surface Etching: Medium/High

PACKAGING OPTIONS

Bulk Trucks: Available

Bulk Bags: 2,500 | 3,000 lbs.

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 90 psi

Distance from Surface: 12-36 inches

HARD ROCK GARNET



DESCRIPTION:

Hard Rock Garnet is ideal for quickly removing thick coatings and producing deeper surface profiles. Its extremely low chloride levels reduce surface contamination.

MOST COMMONLY USED IN/FOR:

- Blast Rooms/Yards
- Manufacturing/Maintenance of Bridges, Offshore Platforms, Oil Refineries, Pipelines, Railcars, Ships, Storage Tanks, and Water Towers.

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: 7.0–8.0 Mohs

Bulk Density: 130–150 lbs./cu.ft.

Specific Gravity: 4.0–4.1 g/cc

Free Silica: Less than 0.5%

Total Chlorides: Less Than 0.5 ppm

Type: Mined Mineral

Recyclability: Medium

Surface Etching: Medium

PACKAGING OPTIONS

Bulk Bags: 3,000 lbs.

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 90-110 psi

Distance from Surface: 18-36 inches

ALLUVIAL RIVER GARNET



DESCRIPTION:

Alluvial River Garnet is ideal for quickly removing thin to medium thickness coatings, mill scale, and rust.

MOST COMMONLY USED IN/FOR:

- Blast Rooms/Yards
- Manufacturing/Maintenance of Bridges, Offshore Platforms, Oil Refineries, Pipelines, Railcars, Ships, Storage Tanks, and Water Towers.

PHYSICAL CHARACTERISTICS

Shape: Subangular

Hardness: 7.0–8.0 Mohs

Bulk Density: 130–150 lbs./cu.ft.

Specific Gravity: 3.9–4.1 g/cc

Free Silica: Less than 1%

Total Chlorides: Less Than 7 ppm

Type: Mined Mineral

Recyclability: Medium

Surface Etching: Low

PACKAGING OPTIONS

Bulk Trucks: Available

Bulk Bags: 2,200 | 4,400 lbs.

Bags: 55 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 90-100 psi

Distance from Surface: 18-24 inches

GLASS BEAD



DESCRIPTION:

Glass Bead gently cleans metal parts without etching the surface, leaving a smooth, polished, or matte finish.

MOST COMMONLY USED IN/FOR:

- Automotive Restoration
- Polishing of Castings
- Stainless Steel Fabrication
- Light Deburring of Precision Parts

PHYSICAL CHARACTERISTICS

Shape: Spherical

Hardness: 5.0-6.0 Mohs

Bulk Density: 80-90 lbs./cu.ft.

Specific Gravity: 2.5 g/cc

Free Silica: No Free Silica

Type: Manufactured

Recyclability: None

Surface Etching: None

PACKAGING OPTIONS

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 40-60 psi

Distance from Surface: 6-36 inches

PLASTIC MEDIA



DESCRIPTION:

Plastic Media is widely used as an alternative to chemical or hand-stripping. It gently removes coatings without damaging the substrate.

MOST COMMONLY USED IN/FOR:

- Removing Powder Coatings
- Cleaning Molds
- Automotive Restoration
- Blasting Soft/Thin Metals, such as Aircraft Aluminum

PHYSICAL CHARACTERISTICS

Shape: Subangular

Hardness: 3.5-4.0 Mohs

Bulk Density: 42-45 lbs./cu.ft.

Specific Gravity: 1.2-1.5 g/cc

Free Silica: No Free Silica

Type: Recycled

Recyclability: High

Surface Etching: None

PACKAGING OPTIONS

Drums: 250 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 60-90 psi

Distance from Surface: 6-36 inches

STAINLESS STEEL GRIT



DESCRIPTION:

Stainless Steel Grit is used to remove thick coatings, heavy rust, and mill scale. It cleans by aggressively cutting away at the surface leaving a uniform surface profile.

MOST COMMONLY USED IN/FOR:

- Cleaning Castings/Forgings

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: 56-62 HRC

Bulk Density: 225 lbs./cu.ft.

Specific Gravity: 4.8 g/cc

Free Silica: No Free Silica

Type: Manufactured

Recyclability: Very High

Surface Etching: High

PACKAGING OPTIONS

Bags: 55 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 100-125 psi

Distance from Surface: 18 inches

STAINLESS STEEL SHOT

DESCRIPTION:

Stainless steel shot is excellent for achieving a smooth, shiny, satin-like finish and can leave a surface free of contamination that causes rust.

MOST COMMONLY USED IN/FOR:

- Cleaning Aluminum and other Non-Ferrous Castings/Forgings



PHYSICAL CHARACTERISTICS

Shape: Round

Hardness: 30-45 HRC

Bulk Density: 225 lbs./cu.ft.

Specific Gravity: 4.8 g/cc

Free Silica: No Free Silica

Type: Manufactured

Recyclability: Very High

Surface Etching: None

PACKAGING OPTIONS

Bags: 55 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: up to 110psi

STAUROLITE

DESCRIPTION:

Staurolite is a general-purpose abrasive used to remove thin coatings, rust, and mill scale. It is ideal for applications where a minimal surface profile is required.

MOST COMMONLY USED IN/FOR:

- Achieving near white finish
- Construction/fabrication of new steel



PHYSICAL CHARACTERISTICS

Shape: Subangular

Hardness: 7.0 Mohs

Bulk Density: 125-135 lbs./cu.ft.

Specific Gravity: 3.6-3.85 g/cc

Free Silica: Less than 5%

Type: Mined Mineral

Recyclability: Low

Surface Etching: Low

PACKAGING OPTIONS

Bulk Trucks: Available

Bulk Bags: 4,000 lbs.

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 100-125 psi

Distance from Surface: 18-36 inches

WALNUT SHELL



DESCRIPTION:

Walnut Shell is commonly used to polish and clean soft metals, fiberglass, wood, and stone.

MOST COMMONLY USED IN/FOR:

- Fire/Smoke Remediation
- Graffiti Removal
- Brick Restoration
- Automotive Restoration
- Petrochemical/Offshore Applications

PHYSICAL CHARACTERISTICS

Shape: Angular

Hardness: 3.0 Mohs

Bulk Density: 40-45 lbs./cu.ft.

Specific Gravity: 1.35 g/cc

Free Silica: No Free Silica

Type: Organic

Recyclability: Low

Surface Etching: Low

PACKAGING OPTIONS

Bags: 50 lbs.

RECOMMENDED BLASTING CONDITIONS

Nozzle Pressure: 60 psi

Distance from Surface: 6-36 inches

Bulk Abrasive Blasting Pots



60 Cubic Feet



120 Cubic Feet



160 Cubic Feet

Bulk Abrasive Storage & Loading Products



725 cu.ft. Storage Hopper



Bulk Bag Rack & Platform



Bulk Bag Rack & Stand

Dust Collectors, Vacuums, & Wet Blast Pots



50K | 28K | 18K | 8K | 6K



23T | 15T | 8T



6.5 | 3.5