



BLACK BEAUTY®
ABRASIVES

High quality abrasives, from a name you can trust.

About Us

Green From the Start™

We are an industry pioneer in the processing of mineral products for environmentally beneficial uses. Minimizing the environmental impact and capturing value from coal combustion by-products has been a core service and technology focus since the 1930's, making Harsco one of America's original green companies. Our value added service to utility producers, provides a solution to site waste removal, material handling, and cost reduction by engineering "green" uses for the abrasives and roofing marketplaces, both of which are sold under the well-known BLACK BEAUTY® brand name. Our coal aggregate is also used for commercial structural fill, waste water filtration media, and anti-skid/ asphalt additive. We have further expanded our product line and environmental commitment by recycling copper slag and post-consumer glass into a variety of markets including the surface preparation industry as a blasting abrasive.

About Harsco Corporation

We are a division of Harsco Corporation, founded in Harrisburg, Pennsylvania in 1853. Harsco Corporation is a diversified company serving industries fundamental to worldwide economic development, including steel and metals production, railways and energy. Harsco (NYSE: HSC) is recognized as one of the Fortune 1000 leading companies in America and has been named five times to the Platinum 400 list of best big companies by Forbes magazine. Harsco acquired Reed Minerals, formerly H.B. Reed, in 1983. Today, Reed Minerals continues their commitment to customers under the Harsco name.



BLACK BEAUTY® abrasive packaging dates back to the 1940's-1960's.



Founded in 1853, with an initial investment of \$300, Harsco was an early producer of railway cars. Today, Harsco is a multi-national corporation with revenues reaching \$3 billion.



1930's

The BLACK BEAUTY® Abrasive brand is born.

Harsco

1983

Harsco Corporation acquires Reed Minerals.

HARSCO

2010

Reed Minerals is rebranded under the Harsco name.



1930's

H.B. Reed & Company founded in Hammond, IN.



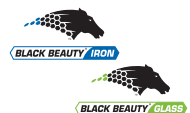
1950's

Roofing granules are introduced.



2008

The BLACK BEAUTY® logo is redesigned.



2012

BLACK BEAUTY® IRON & BLACK BEAUTY® GLASS air blast abrasives are introduced.

Our Products

Quality & Environmental Commitment

BLACK BEAUTY® blasting abrasives lead the industry for quality, value and performance - characteristics which have been well earned. With our on-staff quality team, quality assurance procedures and in-house lab, we work to make certain every order meets or exceeds your expectations. We stand behind our products 100%.

Quality Assurance

We are committed to providing a quality product. We routinely test our raw materials and finished products at each of our manufacturing facilities. Product samples from each plant are sent to our lab, where more specialized and extensive testing is performed by our quality team to monitor for product consistency and compliance with internal and industry standards. The results of each test are analyzed and help identify adjustments to production.

Addressing Quality Concerns

We work closely with our customers, should a quality issue arise. We take each complaint seriously and understand how an under performing product may impact your project. As we review your concern, we ensure you have enough material to get the job done. A member of our quality team will make onsite visits, as needed, to investigate the issue first-hand. Our responsive experts and in-house lab help to quickly identify the root cause and prevent future concerns.



Research & Development

Our quality team plays an integral role in evaluating new materials to the BLACK BEAUTY product family. Raw material physical and chemical characteristics as well as granule performance is analyzed by our quality team. Material must meet our rigid standards before they are approved as a BLACK BEAUTY product.

Performance Testing

Our in-house, custom built, blast room allows for extensive abrasive performance testing and product development. Through our blast room, we can better develop and test product sizing that maximizes blasting media performance and post-surface cleanliness, while minimizing dust and granule breakdown.

Environmental Standards

Our business was built on recycling, and we continue to grow today with that same business model in mind. Our facilities and products meet or exceed all environmental standards.

Have a question? Need more information?

Our quality control team would be glad to assist you. 1-888-733-3646, ex. 4



BLACK BEAUTY® Abrasives

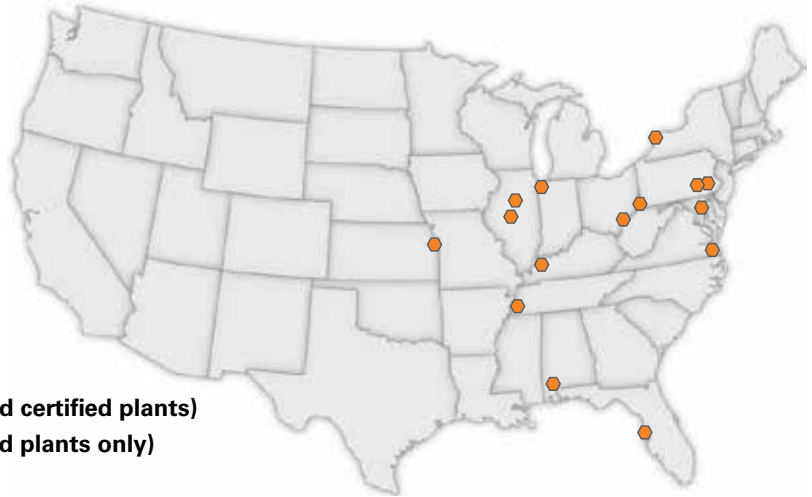
Coal Slag



BLACK BEAUTY® Abrasives are the original coal slag grit in the marketplace, leading the industry for nearly 80 years. Coal slag abrasives are considered to be the best value per square foot of cleaning and are used to remove thick coatings, rust and mill scale.

Features & Benefits

- **Free Silica:** < 0.1%
- **Particle Shape:** angular, sharp
- **Hardness:** 6 to 7 on the Moh's scale
- **Bulk Density:** 75-100 lbs per cubic ft
- **Specific Gravity:** typically 2.73
- **Moisture Content:** < 0.5%
- **Low dusting, low friability**
- **Chemically inert**
- **Passes 40CFR 261.24a (TCLP)**
- **Passes California Title 17 (CARB) (selected certified plants)**
- **QPL Approved: MIL-A-2262B(SH) (selected plants only)**
- **SSPC AB-1 (all plants)**



Grades

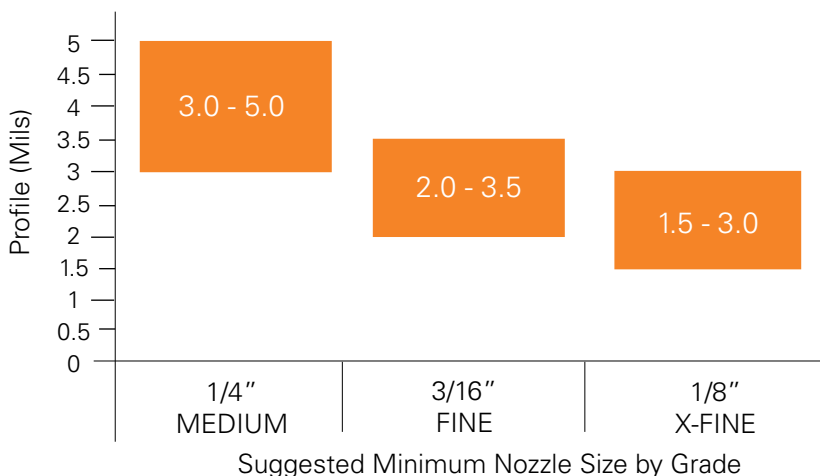
MEDIUM: For general purpose repair and maintenance blasting for the removal of paint and rust, structural steel, mill scale and aggregate exposure.

FINE: For new construction, light paint and rust removal, and for special maintenance applications requiring reduced profiles. Bridge maintenance, light mill scale, paint and rust, new structural steel.

X-FINE: To clean surfaces and create a smooth finish, brush-off blast, or in a high pressure water blast system.

Custom grades also available.

Profile Guide



Locations

- | | |
|----------------|---------------------|
| AL, Satsuma | OH, Gallipolis* |
| FL, Tampa* | PA, Camp Hill: HQ |
| IL, Pawnee | PA, Philadelphia |
| IL, Pekin | TN, Memphis* |
| IN, Gary* | VA, Virginia Beach* |
| KS, La Cygne* | WV, Moundsville* |
| KY, Drakesboro | |
| MD, Baltimore | |
| NY, Buffalo | |

***Will preblend with Blastox on request.**
All plants will preblend with Dustnet on request.

Packaging

50lb. bags
 60 bags per pallet

100lb. bags
 30 bags per pallet

Jumbo bags
 up to 2 tons/4,000lbs

Bulk also available.

The guide shows profile ranges achieved with different grades of BLACK BEAUTY abrasives within a controlled environment using a blast cabinet designed by Harsco's technical team. The controlled environment consisted of 90-100 psi at the nozzle, nozzle to the surface distance of 18", a 1/4" orifice venturi nozzle, on new 1/8" grade A36 steel, with a blast angle of 75° to 105°. Some variance in the profile can be noted by the profile ranges even in a controlled environment. Harsco cannot guarantee identical profile results with BLACK BEAUTY® abrasives in the field where variability exists.

BLACK BEAUTY® GLASS Abrasives

Crushed Glass



BLACK BEAUTY® GLASS Abrasives are high quality, chemically inert and environmentally friendly. Our crushed glass abrasive is made from 100% recycled glass.

Features & Benefits

- **Free Silica:** < 1%
- **Particle Shape:** angular
- **Hardness:** 6 to 7 on the Moh's scale
- **Bulk Density:** 65-85 lbs per cubic ft
- **Specific Gravity:** typically 2.5
- **Moisture Content:** < 0.5%
- **Non-reactive**
- **Produces white metal surface**
- **Increased visibility and production**
- **Chemically inert**
- **Passes 40CFR 261.24a (TCLP)**
- **Passes California Title 17 (CARB) (selected certified plants)**
- **QPL Approved: MIL-A-2262B(SH) (selected plants only)**
- **SSPC AB-1 (all plants)**



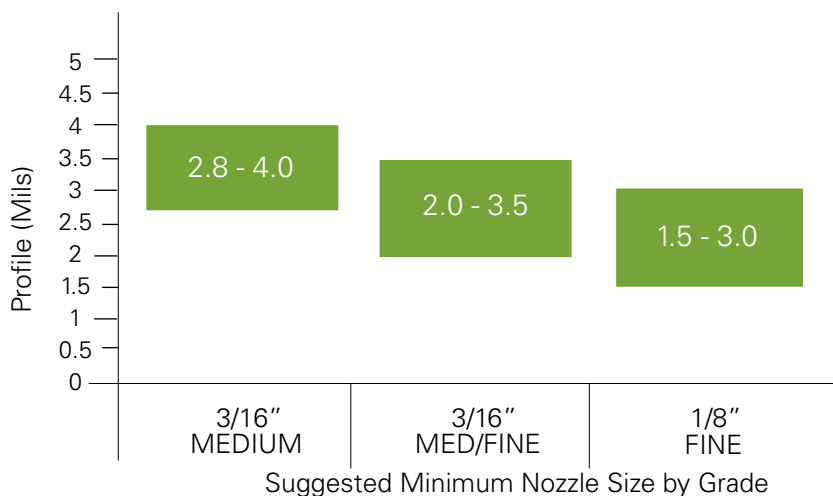
Grades

COARSE: For industrial applications, bridges, tanks, steel construction and fabrication.

MEDIUM: For industrial applications, bridges, tanks, steel construction and fabrications, where a reduced profile is desired.

FINE: To clean surfaces and create a smooth finish. Suggested applications include automotive, fiberglass, hobby and soda blast alternative.

Profile Guide



Locations

- CO, Denver
- IN, Gary
- FL, Tampa
- KS, La Cygne
- KY, Drakesboro
- MD, Baltimore
- NY, Buffalo
- NY, Jamaica
- PA, Connellsville
- PA, Orwigsburg
- TN, Memphis
- TX, Houston
- UT, Salt Lake City
- VA, Virginia Beach

Packaging

50lb. bags
60 bags per pallet

Jumbo bags
up to 1.5 tons/3,000lbs

Bulk also available.

The guide shows profile ranges achieved with different grades of BLACK BEAUTY® GLASS abrasives within a controlled environment using a blast cabinet designed by Harsco's technical team. The controlled environment consisted of 90-100 psi at the nozzle, nozzle to the surface distance of 18", a 1/4" orifice venturi nozzle, on new 1/8" grade A36 steel, with a blast angle 75° to 105°. Some variance in the profile can be noted by the profile ranges of even in a controlled environment. Harsco cannot guarantee identical profile results with BLACK BEAUTY® GLASS abrasives in the field where variability exists.

BLACK BEAUTY® IRON Abrasives

Copper Slag / Coal Slag Blend



BLACK BEAUTY® IRON Abrasives are a copper slag (iron silicate) abrasive that cuts quickly due to heavy bulk density to increase production rates.

Features & Benefits

- **Free Silica:** < 0.1 %
- **Particle Shape:** angular, sharp
- **Hardness:** 6 to 7 on the Moh's scale
- **Bulk Density:** 100-120 lbs per cubic ft
- **Specific Gravity:** typically 3.4
- **Moisture Content:** < 0.5%
- **Low dusting, fast cutting**
- **A 100% recycled, "green" product**
- **Passes 40CFR 261.24a (TCLP)**
- **Passes SSPC AB-1**



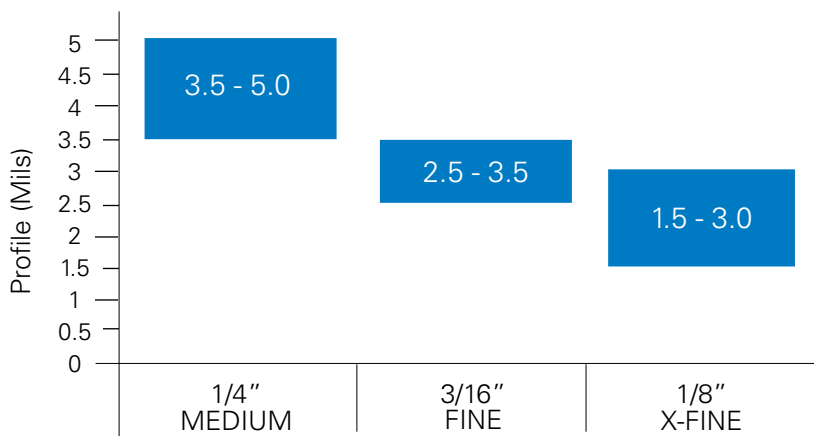
Grades

MEDIUM: Used for general purpose repair and maintenance blasting including removal of paint, rust, mill scale, and other coatings from surfaces.

FINE: Utilized for new construction, light paint and rust removal and special maintenance applications requiring reduced profiles.

X-FINE: Applicable for light blasting requiring a clean surface and minimum anchor profile including brush-off blast or high-pressure water blast systems.

Profile Guide



Suggested Minimum Nozzle Size by Grade

Locations

PA, Camp Hill: HQ PA, Philadelphia
FL, Tampa TX, Houston

Available preblended with Blastox or Dustnet on request.

Packaging

50lb. bags
60 bags per pallet

100lb. bags (blend only)
30 bags per pallet

Jumbo bags
up to 2 tons/4,000lbs

Bulk also available.

The guide shows profile ranges achieved with different grades of BLACK BEAUTY® abrasives within a controlled environment using a blast cabinet designed by Harsco's technical team. The controlled environment consisted of 90-100 psi at the nozzle, nozzle to the surface distance of 18"; a 1/4" orifice venturi nozzle, on new 1/8" grade A36 steel, with a blast angle of 75° to 105°. Some variance in the profile can be noted by the profile ranges even in a controlled environment. Harsco cannot guarantee identical profile results with BLACK BEAUTY® abrasives in the field where variability exists.

Other Industries Served

Beyond Abrasives

Roofing

Harsco is a market leader and one of the largest roofing granule suppliers in the U.S., partnering with the country's leading shingle manufacturers. Our coal slag headlap, mineral surfacing and backsurfacing products are manufactured and tailored to provide optimum strength, performance, and longevity for our roofing customers. We also have the ability to deliver custom granule sizes to meet the most stringent or unique requirements.

Sealcoat / Anti-Skid Aggregate

Our coal slag aggregate meets most sealcoat industry specifications and standards for use in mixing aggregate with coal tar emulsions, crack fillers and epoxies to reseal and rejuvenate blacktop surfaces including parking lots, driveways, private roads, playgrounds and even basketball courts.

Some benefits include:

- "Hides" worn areas longer than silica sand, its dark color blends well with the existing surface
- Excellent bonding power with low rollout and high compaction resistance
- Consistent gradings equal to commonly used silica sands
- Will not dissolve with harsh road chemicals
- Contains less than 0.1% free silica as compared to sand having up to 99% free silica

Industrial Cullet / Fiberglass

We manufacture industrial cullet, which is derived mainly from post-consumer bottle glass. We produce several different cullet sizes and our manufacturing process ensures very low LOI (Loss on Ignition).

Recycled glass provides many benefits to concrete both as an aggregate and as a supplementary cementitious material:

- Replace up to 20% Portland cement
- Pozzolanic characteristics
- Particle size ensures high reactivity
- Increases strength and density
- Decreases efflorescence and fights ASR

Filler & Coatings

Many products such as paint, carpet, tile, latex, rubber, and elastomeric coatings contain up to 50% of mineral fillers. Our high quality filler is made from 100% recycled glass. Some of the benefits include:

- Chemically inert
- Increased abrasion resistance
- Superior corrosion resistance
- Improved scratch resistance
- Low thermal expansion coefficient
- Custom particle sizes available

Contact Us

Get in Touch

Customer Service

We are here to serve you. Call us toll-free at 1-888-733-3646, ex. 2 to speak with one of our knowledgeable customer service representatives. Our hours of operation are Monday - Friday, 8:00am-5:00pm EST. Prefer to get in contact by email? Send your request to reedcs@harsco.com and we will assist you as soon as possible, many times within 24 hours.

Distribution Network

Our nationwide distribution and reseller network is vast and continues to grow. Use our online search tool found at www.findblackbeauty.com to find a BLACK BEAUTY distributor or reseller near you. You can search by city, state or zip code. Want a mobile option? Download our BLACK BEAUTY app for Apple products in the iTunes store. Search "BB Abrasives".

Regional Sales Leaders

Do you have a challenging project? Need pricing? Partner with your regional sales leader to win the bid. Call us at 1-888-733-3646, ex. 2.

Quality & Technical Experts

For questions about our abrasive profile guide, safety data sheets, technical specifications, project requirements, contact our quality department at 1-888-733-3646, ex. 4.



1-888-733-3646, ex. 2



ReedCS@harsco.com



www.BlackBeautyAbrasives.com



350 Poplar Church Rd, Camp Hill, PA 17011



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