

# BLACK BEAUTY® Abrasives

## Product Specification Sheet

CUSTOMER SERVICE

1-888-733-3646

### 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.

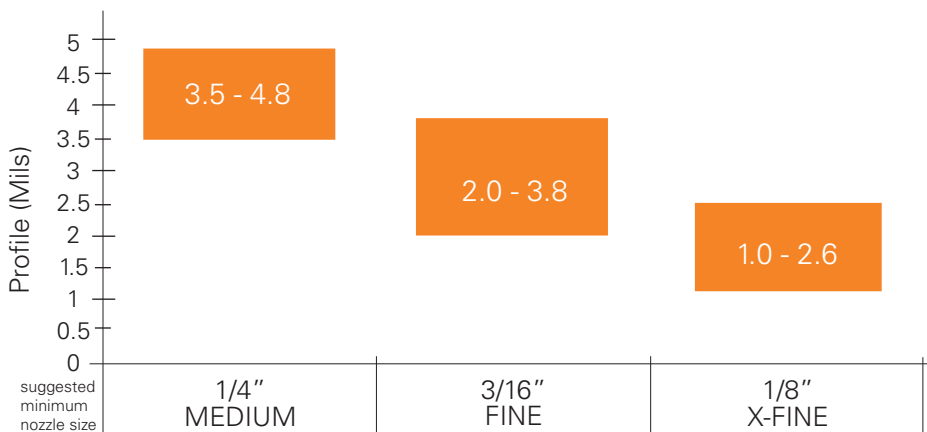
**X-FINE:** To clean surfaces and create a smooth finish, brush-off blast, or in a high pressure water blast system.

**ELITE:** If project requires a specialized blasting abrasive, we can help. Using our proprietary processes and superior blending capabilities, we can fine-tune your BLACK BEAUTY® blasting abrasive to Elite Gradations. Contact our customer service group (1-888-733-3646) for immediate assistance.

### Profile Guide

The guide shows profile ranges achieved with different grades of BLACK BEAUTY® abrasives with a controlled environment in 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.



THE ORIGINAL  
**BLACK BEAUTY®**

**AL, Satsuma**  
240 Baldwin Road  
Satsuma, AL 36572  
(800) 731-7982

**FL, Tampa**  
5950 Old 41A Hwy  
Tampa, FL 33619  
(800) 731-7982

**IL, Pawnee**  
226 East 1640 Road  
Pawnee, IL 62558  
(217) 237-4335

**IL, Pekin**  
13090 E. Manito Road  
Pekin, IL 61554  
(309) 347-1962

**IN, Gary**  
7100 West 9th Avenue  
Gary, IN 46406  
(888) 733-3646

**KS, LaCygne**  
East 2150 Industrial Blvd  
LaCygne, KS 66040  
(888) 733-3646

**KY, Drakesboro**  
9001 State Rte 176 East  
Drakesboro, KY 42337  
(270) 476-8020

**MD, Baltimore**  
608 Folcroft Street  
Baltimore, MD 21224  
(888) 733-3646

**NY, Buffalo**  
2769 Broadway Street  
Cheektowaga, NY 14227  
(330) 652-2002

**OH, Gallipolis**  
5486 State Rte 7 North  
Cheshire, OH 45620  
(304) 845-0211

**TN, Memphis**  
2170 Plant Road  
Memphis, TN 38109  
901-789-0700

**PA, Philadelphia**  
905 South Port Road  
Fairless Hills, PA 19030  
(888) 733-3646

**TX, Houston**  
13040-A Market Street  
Houston, TX 77015  
(800) 731-7982

**TX, Rockdale**  
FM 1786  
at Alcoa Sandow Works  
Rockdale, TX 76567  
(800) 731-7982

**VA, Virginia Beach**  
2429 Ferry Road  
Virginia Beach, VA 23453  
(888) 733-3646

**WV, Moundsville**  
Route 2 South  
Moundsville, WV 26041  
(304) 845-0211

© 2013 Harsco Minerals International. All Rights Reserved. BLACK BEAUTY® is a registered trademark of Harsco Technologies, LLC

# BLACK BEAUTY® Abrasives

## Product Specification Sheet Cont.

### Product Data (Typical)

**Free Silica...**less than 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...**2.73

**Moisture Content...**less than 0.5%



THE ORIGINAL  
**BLACK BEAUTY®**

### Chemical Analysis (Typical)

<b>Silicon Dioxide</b>	<b>48.78%</b>
<b>Aluminum Oxide</b>	<b>20.97%</b>
<b>Ferric Oxide</b>	<b>19.08%</b>
<b>Calcium Oxide</b>	<b>6.02%</b>
<b>Potassium Oxide</b>	<b>1.67%</b>
<b>Titanium Dioxide</b>	<b>0.94%</b>
<b>Magnesium Oxide</b>	<b>0.90%</b>
<b>Sodium Oxide</b>	<b>0.62%</b>

Specific data may be obtained by contacting Harsco at 1-888-733-3646.

### Features & Benefits

- Less than 0.1% free silica
- Hard angular particles
- Uniform density
- Low friability
- Low dusting
- Chemically inert
- Passes 40CFR 261.a (TCLP)
- Passes California Title 17 (CARB) (selected certified plants)
- QPL Approved: MIL-A-2262B(SH) (selected plants only) SSPC AB-1 (all plants)

**Proven. Trusted. Reliable.**  
**For nearly 80 years.**