

# BLACK BEAUTY® GLASS Abrasives

## Product Specification Sheet



CUSTOMER SERVICE  
(734) 782-2073

### 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.

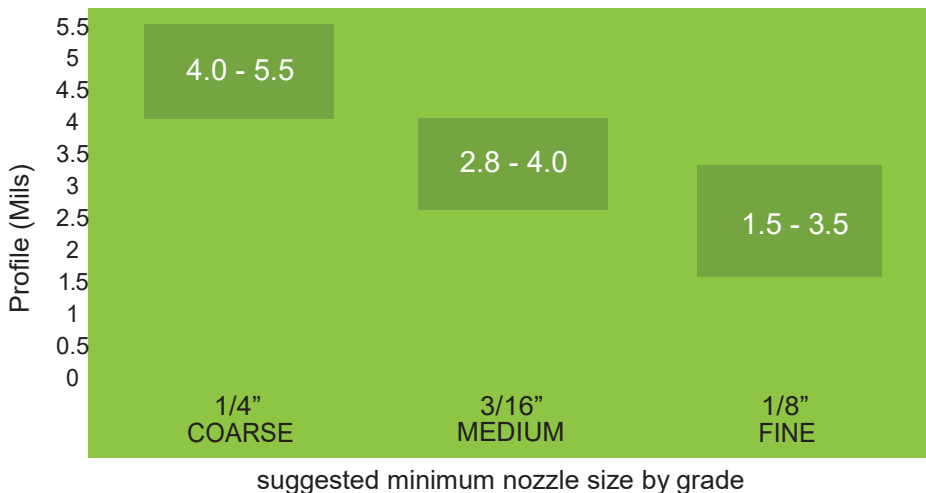
**FINE:** To clean surfaces and create a smooth finish. Suggested applications include automotive, fiberglass, hobby and soda blast alternative.



### Profile Guide

The guide shows profile ranges achieved with different grades of BLACK BEAUTY® GLASS abrasives with 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® GLASS abrasives in the field where variability exists.



### Features & Benefits

- Less than 1% free silica
- Non-reactive, chemically inert
- Uniform density
- Produces white metal finish
- Increased visibility & production
- Passes 40CFR 261.a (TCLP)
- Passes California Title 17 (CARB)
- QPL Approved: MIL-A-2262B(SH)
- SSPC AB-1

### Product Data

**Low Free Silica**....less than 1%  
**Particle Shape**...angular  
**Hardness**...6-7 on the Moh's scale  
**Bulk Density**...65-85 lbs per cubic foot  
**Specific Gravity**...typically 2.5  
**Moisture Content**...less than 0.5%

### Chemical Analysis (Typical)

Silicon Dioxide	66-88%
Iron Oxide	<0.5%
Aluminum Oxide	0.0-7.0%
Calcium Oxide	0.0-15%
Magnesium Oxide	0.0-5.0%
Potassium Oxide	0.0-5.0%
Titanium Oxide	0.0-1.0%
Silicon dioxide, crystalline	<1%
Manganese	0.0-0.001ppm
Beryllium	0.0-0.001ppm
Cadmium	0.0-0.001ppm

# 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%

### 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>

### 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.