BLACK BEAUTY® Abrasives
Product Specification Sheet

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.
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)

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Silicon Dioxide</td>
<td>48.78%</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>20.97%</td>
</tr>
<tr>
<td>Ferric Oxide</td>
<td>19.08%</td>
</tr>
<tr>
<td>Calcium Oxide</td>
<td>6.02%</td>
</tr>
<tr>
<td>Potassium Oxide</td>
<td>1.67%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>0.94%</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>0.90%</td>
</tr>
<tr>
<td>Sodium Oxide</td>
<td>0.62%</td>
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</tbody>
</table>

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)