



LOW-FREE SILICA ABRASIVES BLACK BEAUTY® Abrasives



The product name **BLACK BEAUTY®** refers to a by-product of the combustion of coal that is processed into abrasive products by REED Minerals, a division of Harsco Corporation.

Typically, it is fused ferro-alumino-silicate of complex composition, formed when the molten slag is quenched in cold water. The quenching instantly solidifies the molten solution into an amorphous or non-crystalline glass, and by thermal shock, fractures the slag into rough, angular particles. The overall appearance of the material is that of a coarse, black aggregate.

Product Features that are beneficial for **BLACK BEAUTY®** abrasives:

- **High Hardness** – Product ranges between 6 and 7 on the Moh's Scale of Mineral Hardness, and is characterized by low friability and low dusting, especially important on jobsites in congested areas or where emission containment is specified.
- **Angular Particle Shape** - Provides for excellent abrasive qualities; high productivity, surface cleanliness, and surface profile.

- **Specific Gravity** – Consistency of chemistry provides a consistent specific gravity.
- **Less than 0.1% free silica** – “High free silica” products have been found to increase the risk of silicosis. **BLACK BEAUTY®** abrasive is classified as a “low free silica” abrasive and can be used when “low free silica” abrasives are specified.
- **Chemically stable** – **BLACK BEAUTY®** abrasive is chemically inert and virtually non-leachable as demonstrated by independent laboratory testing.

FEATURES

- Less than **0.1%** free silica
- Hard angular particles
- Uniform density
- Low friability
- Low dusting
- Chemically inert
- Passes California Title 17 (CARB) (Selected certified plant locations)
- Passes 40CFR 261.24a (TCLP)
- QPL Approved: MIL-A-22262B(SH), SSPC AB-1 (Selected plant locations)

BENEFITS

BLACK BEAUTY® abrasives are an original green, recycled product manufactured from coal combustion by-product.

BLACK BEAUTY® abrasives are fast cutting, low dusting, and tough enough to get the job done.

BLACK BEAUTY® abrasives have less than 0.1% free silica compared to sand at up to 99% free silica.

BLACK BEAUTY® abrasives are not causally linked with any disease, including silicosis. They exceed military, industry and California standards, thereby enhancing worker safety and potentially reducing costs associated with special waste handling and worker liability insurance.

BLACK BEAUTY® abrasives comply with the newest and most technically advanced abrasive specifications available.

Sales Director

Ron Brooks
734-782-2073
marketing@flatrockbagging.com

Abrasives & Sands

Inside Sales
Vic Thompson
734-782-2073 x *112
vic@flatrockbagging.com

Business Development

Mike Simonetti
734-782-2073 x *107
MikeSim@flatrockbagging.com

Flat Rock Bagging

P.O. Box 398
Flat Rock, MI 48135
734-782-2073 - office
734-782-4138 - fax

Flat Rock Bagging

233 Prospect Street
Sparta, MI 49345
616-887-8823 - office
616-887-8824 - fax

Flat Rock Bagging

608 Harrison Road
Trenton, Michigan 48182
734-782-2073 - office
734-675-4059 - fax