CARB Issues
New List of
Certified Abrasives

The California Air Resources Board (CARB) has issued its list of abrasives currently certified for outdoor abrasive blasting, according to an August 31, 1993 Advisory from CARB.

The California Health and Safety Code authorizes CARB to adopt air pollution standards for blasting operations, the Advisory says. Under Title 17 of the California Code of Regulations, CARB is required to certify that abrasives to be used for permissible dry outdoor blasting comply with specific performance standards. The performance standards require that the abrasives, before blasting, shall not contain more than 1 percent by weight of material passing a #70 U.S. standard sieve or, as an alternative, not produce visible emissions of more than 20 percent opacity when blasted in accordance with a specified test method. After blasting, the abrasives shall not contain more than 1.8 percent by weight of material 5 microns or smaller, the Advisory says.

Compliance with these certification requirements helps to reduce fine particulate matter emitted to the atmosphere during permissible dry outdoor blasting, CARB says.

Current regulations require that all abrasive blasting be conducted within a permanent building, with some specific exceptions. Exceptions include
- blasting with steel or iron shot/grit;
- blasting with CARB-certified abrasives; or
- using wet blasting, hydroblasting, or vacuum blasting techniques.

In addition, the item that is to be blasted must exceed 8 ft (2 m) in any dimension or be situated at its permanent location.

Questions regarding the certification process should be directed to Laura McKinney, Manager of the Investigation and Certification Section, at 916/327-1525.

The list, printed here, expires on August 31, 1994. Abrasives are classified by generic type. Generic types are listed alphabetically. Within each generic type, abrasives are listed alphabetically by product name.

**Calcium Carbonate**
- Calcarb Medium and Calcarb Coarse, Spreckles Limestone and Aggregates Products, Cool, CA

**Carbon Dioxide Pellets**
- CO₂ Cleanblast, Alpheus Cleaning Technologies Corp., Rancho Cucamonga, CA

**Coal Slag**
- Black Beauty-1240, Reed Minerals/Harsco, Drakesboro, KY and LaCygne, KS
- Black Beauty-1243 and 2043, Reed Minerals/Harsco, Concord (Bow), NH
- Black Beauty-2040, Reed Minerals/Harsco, Memphis, TN and Drakesboro, KY
- Black Beauty-2550, Reed Minerals/Harsco, Gary, IN
- Black Beauty-3045, Reed Minerals/Harsco, LaCygne, KS
- Black Blast 8-40, Virginia Materials, Norfolk, VA
- Black Diamond, Black Diamond, Inc., Woodbury, MN
- Black Diamond CX8, CX12, and CX20, Foster-Dixiana Corporation, Norfolk Plant, Chesapeake, VA, and Savannah Plant, Hardeeville, SC
- Camel Black, Utility Grade, Genstar Stone Products Company, Hunt Valley, MD
- Heavy Blast, Stan-Blast Abrasive Company Inc., Harvey, LA
- Nietim Blastgrit Grade 10/40, 12/40, 16/40, 30/60, Nietim, The Netherlands
- Sure-Shot Utility, Tidewater Materials, Inc., New Orleans, LA

**Copper Nickel Blended Slag**
- Safe-T-Blast Type I, R.A. Barnes, Inc., Seattle, WA

**Corn Cob**
- Corn Cob Mixture 14/20 Grit 2, Mt. Pulaski Products, Inc., Mt. Pulaski, IL

**Garnet**
- Barton 1640-Garnet, Barton Mines Corporation, North Creek, NY
- Blastoff 2000, Aurizon Mines Ltd., Vancouver, BC, Canada
- Emerald Creek Garnet 36, 30/40, #50X, #16, #60, #40 SB, #60, Emerald Creek Garnet Milling Co., Fernwood, ID (Distributors: Gordon Sand Co., Compton, CA, and the Pryor-Giggy Co., Whittier, CA)
- Fastblast 12/16, 16/30, Patterson Materials Corporation, Wingdale, NY
- RDM Multi-Enterprises, Inc., Anaconda, MT
- Ferro Blast-73 8-12, 8-20, 16-30, 36, RDM Multi-Enterprises, Inc., Anaconda, MT
- Ferro Blast 8-12, 8-20, 16-30, 36, 30-60, RDM Multi-Enterprises, Inc., Anaconda, MT
- Fine, Tru-Grit Abrasives, Tacoma, WA
- Kleen Blast/15% Blastox #35, 16-30, 8-12, Kleen Blast Division, Grand Forks, BC, Canada (contains pre-blast additive for stabilizing leachable lead, Blastox, from TDJ Group, Dubuque, IA)
- Kleen Blast 16-3, 35, 16, 8-12, 30-60, Kleen Blast Division, Grand Forks, BC, Canada
- SB 16-40, Tru-Grit Abrasives, Tacoma, WA
- Sharpshot F-80 (25), F-80 (36), M-60, Minerals Research and Recovery of Arizona, Inc., Tucson, AZ
- Superior Blast Medium and Coarse, Ron Hansen Mining Co., Prescott, AZ (Distributor: S&S Minerals and Abrasives, Long Beach, CA)
- Tank Blend, Tru-Grit Abrasives, Tacoma, WA
- Utility, Tru-Grit Abrasives, Tacoma, WA

**Copper-Slag**
- 8-20, 10-50, 16-50, 20-50, 30-50, Parker Brothers & Company, Inc., Houston, TX
- Apache-Blade Utility, Apache Abrasive Inc., Houston, TX
- APB (all-purpose blend), Tru-Grit Abrasives, Tacoma, WA
- Best Grit 8-12, 8-20, 16-30, 30-60, 36, RDM Multi-Enterprises, Inc., Anaconda, MT
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- Garblast #30 Grit, #36 Grit, Cariboo Highlands Metals Corporation, Vancouver, BC, Canada
- Garnet- grit #1 Standard, #2 Intermediate, #3 Fine, San Pedro Mining Corporation, Vancouver, BC, Canada
- Garnet Reef 25, 36, 46, S&S Associates, Lucerne Valley, CA
- Gemshot 16-40, 30-60, Desert Garnet, Cudiz, CA
- GMA 30 X 60, 60 mesh, 80 mesh, Garnet Mills Associate Pty. Ltd., Geraldton, WA, Australia (Distributors: Barton Mines Corporation, Golden, CO, and Gordon Sand Company, Compton, CA)
- Hardblast #30 Grit, #34 Grit, #36 Grit, Cariboo Highland Metals Corporation, Vancouver, BC, Canada
- Ocean Garnet 20-40, Transco, Foster City, CA
- ROM 30 X 60, Garnet Mills Associate Pty. Ltd., Geraldton, WA, Australia (Distributors: Barton Mines Corporation, Golden, CO, and Gordon Sand Company, Compton, CA)
- Tungsten Hills Garnet Grade 28 and 40, Parker Mining Corporation, San Francisco, CA

Glass
- M-1010 10-30, M-1013 16-20, M-1015 20-40, Universal Ground Cullet, Inc., Brook Park, OH

Nickel Slag
- Green Diamond 1040, 1636, 1650, 2050, Glenbrook Nickel Company, Riddle, OR

Olivine
- Green Lightning 20 x 46, Applied Industrial Materials Corporation, Pittsburgh, PA

Silica Sand
- #12, #16, #20, #30, California Silica Products Company, San Juan Capistrano, CA

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