

Rock Solid. Since 1868.

Mine Safety Dust

Solid Concrete Block

**Regular Cored
Concrete Block**

“Safer®” Mine Block

Steel Fiber Reinforced Cribs

Bagged Stone Products

Mine Products Catalog



Rock Solid. Since 1868.

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PRODUCTS AND SERVICES

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Welcome to Dillon

- A Virginia-Based, Family Owned Company
- Operating Continuously Since 1868--over 150 Years
- Fully Owned & Operated Dolomite Limestone Quarry & Downstream Operations
- 100+ Years of High Quality Reserves Located Adjacent to the Coal Field Areas of VA, WV, & KY
- Employee Safety, Highest Product Quality, & Excellent Customer Service Levels are Main Goals
- Supplying Raw Materials, Coarse & Finely Ground Materials, Speciality Chemical Products, and Specialty Masonry Products to:
 - Coal Mining Industry --Including Dust, Block, & Mine Supports
 - Agricultural Manufacturing
 - Chemical Manufacturing
 - Speciality Chemical Products for Glass Manufacturing
 - Foundries, Brick Manufacturing, & Water Treatment Plants
 - Construction Companies & State DOT's
 - Custom Masonry Dealers



Dillon Quarry & Operations

MINE SAFETY DUST

In today's demanding coal market, mine safety dust is playing a larger part of the operational picture than ever. As MSHA continually tightens regulations on mine dust, it is more important than ever for an operator to get the very best product available for their money.

Dillon is very proud to offer the best mine safety dust on the market today. Made from Dolomitic Limestone mined right here in Southwest Virginia, Dillon can assure the lowest silica content available because the deposit is owned, mined, and controlled by Dillon.



With three mills capable of running twenty-four hours per day and seven days per week, we have ample capacity to meet all your dust requirements.

Quality of the dust is very important to us. Our sampling frequency is up to and beyond 60 samples per month. This information is passed onto the customer in a "Certificate of Analysis" (COA) report (*see example on page 30*). Each delivery ticket has a COA attached, and one can be e-mailed to the mine site each month upon request.

Various packages of safety dust are available in 50 pound bags and in bulk super bags. Bulk delivery by tanker truck is available as well.



MINE SAFETY DUST PRODUCT HEIGHTS



Bagged Products

5 Layers --23"

9 Layers --38"

Super Bags

1.5 Ton -- 34"

1 Ton -- 29"

.75 Ton -- 22"

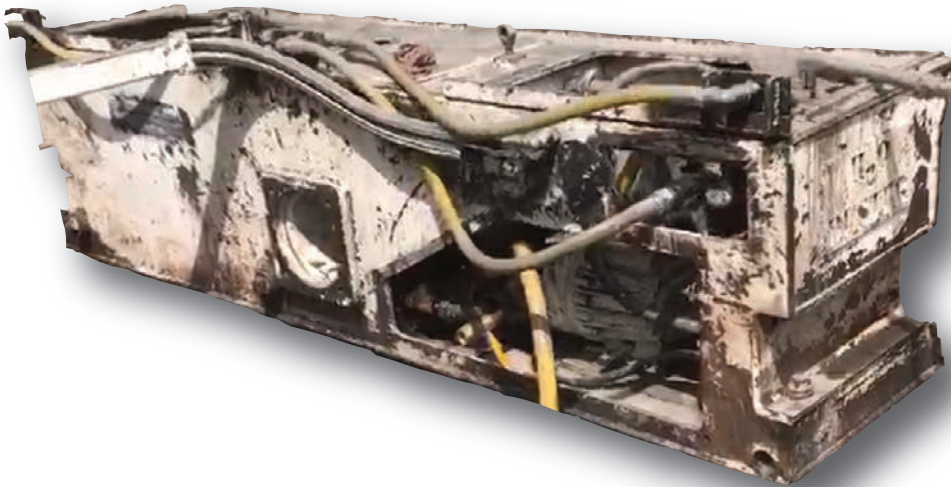
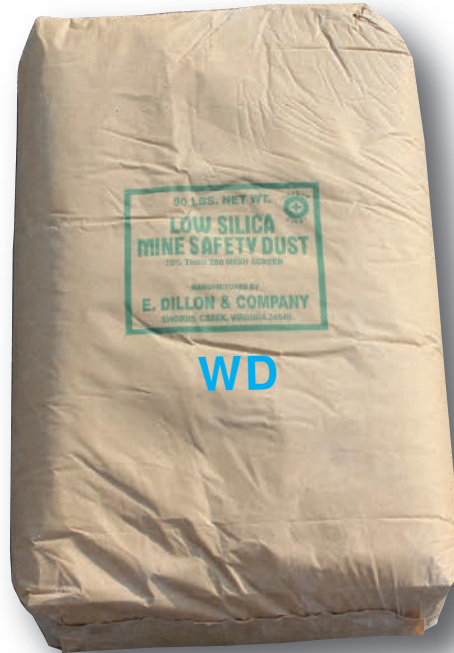


** Product heights include pallet.*

MINE SAFETY DUST - WD

Dillon's Mine Safety Dust - WD is specifically formulated for wet dusting. Mine Safety Dust -WD has been designed to work in wet dusters and it's patented process insures solids will remain suspended in the wet dusting process.

Contact your sales rep for more information.



SOLID CONCRETE BLOCK

Dillon offers solid concrete blocks in a variety of thicknesses from 8" to 2". Made from all Dillon dolomite, sand, and Roanoke cement, you never have to worry about what foreign materials you are putting into your mine. Solid blocks offer superior support when you need it most and are guaranteed to have a minimum compressive strength of 1900 pounds per square inch (psi).

All blocks are palletized with double stretch wrap and top sheets to ensure no spillage and safe transport underground no matter how far you take them.



Truck loaded with Solid Concrete Block

8x8x16 SOLID



- 1,900 PSI
- 45/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

6x8x16 SOLID



- 1,900 PSI
- 60/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

4x8x16 SOLID



- 1,900 PSI
- 150/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

2x8x16 SOLID



- 1,900 PSI
- 240/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

MICON

SOLID CONCRETE BLOCK

Dillon is a sanctioned block manufacturer to supply solid block for use in the Micon Hybrid II Seal.



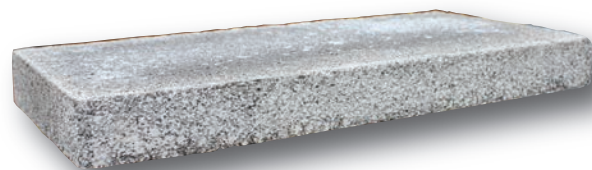
**8X8X16
45/PALLET**



**6X8X16
60/PALLET**



**4X8X16
120/PALLET**



**2X8X16
240/PALLET**

All blocks are palletized with double stretch wrap and top sheets to ensure no spillage and safe transport underground no matter how far you take them.



Dillon Yard (above) and Blockplant (below)



REGULAR CONCRETE BLOCK

Dillon's hollow block come in multiple sizes to meet your needs. Typically used in above drainage underground situations, these block are guaranteed to have a strength of 1,900 pounds per square inch (psi). Made from Dillon limestone, the block give you the reliability and durability you demand in your mining operation.



(All Photos) Regular Concrete Block on Dillon's Yard



12x8x16 REGULAR



- 1,900 PSI
- 60/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

8x8x16 REGULAR



- 1,900 PSI
- 45 OR 90/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

6x8x16 REGULAR



- 1,900 PSI
- 60 OR 120/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

4x8x16 REGULAR



- 1,900 PSI
- 150/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

SAFER[®] BLOCK



- STRONGER MINE VENT STOPPINGS BUILT FASTER
- STRAIGHTER, TIGHTER WALLS, SELF ALIGNING
- EASIER TO LAY/STACK; NO WET MORTAR JOINTS
- HARDER TO FAIL FROM CRUSH/EQUIPMENT/AIR
- LESS LEAKAGE = MORE COAL MINEABLE PER CFM AND VENT SETUP
- 2,500 PSI
- 60/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

6x8x24 LABOR SAVER



- 1,900 PSI
- 42/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

REINFORCED CONCRETE CRIBS

Dillon offers a complete line of reinforced concrete cribs to meet every mining need. From rectangular blocks to round blocks to the patented CRIBPAC[®], we can provide the right product for the toughest mine applications. Dillon's cribs can be used for permanent roof support or stacked as a temporary support that can be removed or cut through later. Cribs are designed with high strength concrete and zero deflection to provide solid support when you need it most.



6x8x16 CRIB



- 6,000 PSI
- 60/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

4x8x24 CRIB



- 6,000 PSI
- 54/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET

3" DONUT CRIB



- 6,000 PSI
- 60/PALLET
- DOUBLE STRETCH WRAP W/TOP SHEET
- ONE LOAD TRANSFER DISK (L.T.D.) IS INCLUDED WITH EVERY FOUR DONUT CRIBS

CRIBPAC®



- PRE-PACKAGED COLUMNS OF DONUTS WITH INTEGRAL LOAD TRANSFER DISCS FOR LOAD LEVELING
- UP TO 450 TONS OF SUPPORT PER COLUMN
- WOOD HANDLES FOR EASY FORK LIFTING AND TRANSPORT UNDERGROUND
- PATENTED
- 6,000 PSI
- 3 STANDARD HEIGHTS TO CHOOSE FROM
 - 29.875" (4 HIGH) 70/LOAD
 - 37.00" (5 HIGH) 60/LOAD
 - 44.125" (6 HIGH) 50/LOAD
- CAN BE EASILY STACKED IN VARIOUS COMBINATIONS TO ACCOMODATE ANY UNDERGROUND MINE HEIGHT
- CUTABLE BY LONGWALL

BAGGED STONE

Dillon offers three sizes of stone in bulk super bags, 2", 3", and #8 pea gravel. Bagged stone works excellent for repairing rutted bottoms or for filling bothersome holes in the haul road. Very conveniently packaged, bagged stone can be easily transported anywhere throughout the mine.



| PRODUCT | PRODUCT CODE | HEIGHT | PRODUCT SIZE |
|-----------------|---------------------|---------------|---------------------|
| DILLON #8 STONE | 108-B | 39" | 3/8" - #8 |
| DILLON #2 STONE | 102-B | 30" | 2" - 1/2" |
| DILLON #3 STONE | 101-B | 30" | 3 1/2" - 1" |



Stockpiled Stone



Stone Ready For Shipment

CUSTOMER SERVICE

Dillon is proud to have the best customer service department in the industry. With a fully staffed department, we have personnel to process your order and answer your questions without delay.

Our truck fleet consists of Dillon's company trucks as well as contract trucks. Flat bed tractor trailers and bulk pneumatic tankers help us to provide the customer with any product needed at any time.

Our Customer Service Center is backed up by cell contacts and is available 24 hours/day, 7 days/week to allow us to service you in case of an emergency.



Dust Staged for Shipment and Being Scaled





Dillon Personnel Discussing Products with Mine Employees

Product Support

Dillon personnel provide professional and prompt technical support. Services range from full materials lab testing (including X-ray analysis) to underground mine product application visits.



EXAMPLE



Certificate of Analysis (COA) of Mine Safety Dust

Following is the average chemical analysis and gradation results on Mine Safety Dust production at Dillon

Number Samples tested: 42

| <u>For October, 2022 shipments</u> | <u>Result (%)</u> | <u>MSHA Specification</u> 30 C.F.R & 75.2 |
|--|--------------------------|--|
| Chemical Analysis for Silica(SiO ₂) content: | 1.39 | 4.0 maximum |
| Standard Deviation (SiO ₂) | 0.2 | |
| Test Method: X-Ray Spectrometry ASTM C1271 | | |
| Gradation Analysis passing ASTM C110: | | |
| #20 sieve | 100 | 100% minimum |
| #200 sieve | 78.6 | 70% minimum |
| Standard Deviation (passing #200) | 2.92 | |
| Typical Combustible Content (Method MH-102) | 0.5 | 5% maximum |

* Dillon's "Mine Safety Dust" meets the requirements for gradation, silica content and combustible matter as defined in 30 C.F.R & 75.2.

Dustin Sanders
Quality Control

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NOTES

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