



HUBER ENGINEERED MATERIALS



MineBrite™ Rock Dust

Your Rock Dusting Solution For Mitigating Coal Dust Explosions



- Low silica content, well below MSHA requirements
- Particle size distribution within MSHA specifications
- High whiteness calcium carbonate provides a safe and bright work area
- Unlike quarry fines, MineBrite™ rock dust products are dry and free-flowing
- Fine particles enhance the caking potential on walls

Huber Carbonates, LLC understands the importance of underground mine safety. Our broad line of high performing calcium carbonate MineBrite™ rock dust products are mined underground in the U.S. from locations in Quincy, Illinois and Marble Hill, Georgia. We also know how important mine safety is to you and understand the stringent requirements and standards regulatory agencies put in place to ensure the safest workplace possible for employees.

Despite implementing the most rigorous safety measures, the potential for coal dust explosions in underground coal mines must be mitigated by a generous application of rock dust (usually in the form of limestone). If an explosion does occur, the rock dust disperses and mixes with the coal dust, preventing flame propagation by acting as both a thermal inhibitor and heat sink.

Guidelines have long been established by the Mine Safety and Health Administration (MSHA) for the relative proportion of rock dust that must be present in the mine's top, floor and sides. New MSHA regulations issued in June 2011 dictate that rock dusting of all underground accessible areas be increased to at least 80% total incombustible content (TIC).

Huber's Quincy and Marble Hill calcium carbonate manufacturing locations are conveniently located near many of the Illinois basin and southern Appalachian coal mines. Huber is pleased to offer its MineBrite™ high brightness calcium carbonate rock dust products in bags and bulk containers. MineBrite™ products exceed all requirements set forth by MSHA in 30 C.F.R. § 75.2 for rock dust composition.

In addition, all MineBrite™ product offerings contain ample quantities of <10 micron fines. According to MSHA, very fine (<10 microns) particles enhance the caking potential of rock dust when wetted.

PROPERTY	MSHA Specification 30 C.F.R. § 75.2	Typical MineBrite™ Q200 Values*	Typical MineBrite™ Q100 Values*	Typical MineBrite™ Q60 Values*	Typical MineBrite™ G260 Values**
Passes 20 Mesh	100%	100%	100%	100%	100%
Passes 200 Mesh	>70%	99%	79%	78%	97%
Less than 10 Microns	–	25%	32%	30%	24%
Combustible Matter	<5%	0%	0%	0%	0%
Silica	<4%	2%	2%	2%	0.5%
Dry Brightness (Hunter)	–	>84	>83	>78	>88
Moisture	–	<0.20%	<0.20%	<0.20%	<0.20%

These typical properties cannot be considered as specifications.

* Produced in Quincy, Illinois ** Produced in Marble Hill, Georgia

We invite you to contact us for more information about our rock dusting solutions to mitigate coal dust explosions and to order samples of our MineBrite™ products. In addition to our line-up of high performing calcium carbonate products, Huber prides itself on superior customer technical support and unparalleled customer service. We look forward to working with you.



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