

Permissible Products

PRODUCT INFORMATION BROCHURE

Austin Powder Company has developed a variety of permissible products to meet virtually every application. Each of these products offer superior performance and are MSHA approved for use in underground coal mines or where a permissible explosive is desired.

Coalmex™ is a detonator sensitive emulsion explosive with a paste like consistency packaged in plastic film cartridges.

Red-D Gel-B™ is a high velocity dynamite designed for blasting hard coal and difficult rock applications, such as overcasts and undercasts.

Rockbuster II™ is a non-incendive sheathed explosive for unconfined blasting of large boulders and rock slabs in underground coal mines.

ADVANTAGES

Coalmex

- All Purpose emulsion explosive for blasting coal, partings, rock binders and overcasts.
- Resistant to dynamic pre-compression.

Red-D Gel-B

- High density and velocity dynamite.
- Dependable under extreme conditions.
- Delivers high energy for difficult blasting.



Rockbuster II

- Completely enclosed unit does not require drilling or stemming.
- Easy to handle, prime and place.
- Flexible package conforms to the surface.
- Saves money by reducing longwall downtime.

PROPERTIES

Product	Density [g/cc]	RBS‡	Water Resistance	VOD	
				[ft/s]	[m/s]
Coalmex	1.12	130	Excellent	16,800	5,120
Red-D Gel-B	1.35	166	Excellent	16,000	4,876
Rockbuster	NA	NA	Excellent	15,750	4,800

‡ Energy is calculated using TIGER, a thermo-dynamic computer code used by Austin Powder Company. Other computer codes may give different values. ANFO = 100 @ 0.82 g/cc.



AUSTIN POWDER

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Permissible Products

PRIMING

Use a high strength permissible detonator (Coal★Star®, Coal Mine Delay, Coal Mine Construction Delay, or equivalent).

PACKAGING

Product	Cartridge Size		Case Count 50 lb / 20 kg
	[in]	[mm]	
Coalmex	1 ¼ x 16	32 x 400	60
	1 ½ x 16	38 x 400	48
Red-D Gel-B	1 ¼ x 8	32 x 200	88
	1 ¼ x 16	32 x 400	44
Rockbuster II	13 x 8.5 x 3.5	330 x 215 x 89	4

Note: All dimensions and weights are nominal.

STANDARD TECHNICAL DESCRIPTION

MSHA approved explosives for underground coal and “gassy” mines

STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

SHELF LIFE

One year from date of manufacture under good storage conditions.

TRANSPORTATION DATA

UN CLASSIFICATION

Coalmex

Shipping Name: Explosive, Blasting, Type E

Class & Division: 1.1D

ID Number: UN0241

Red-D Gel-B

Shipping Name: Explosive, Blasting, Type A

Class & Division: 1.1D

ID Number: UN0081

Rockbuster

Shipping Name: Rockbuster II

Class & Division: 1.1D

ID Number: UN0081

US DOT REFERENCE NUMBER

Coalmex (EX-1993050177)

Red-D Gel-B (EX-9303286)

Rockbuster II (EX-9303286)

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For more information and service locations in your area, please contact Austin Powder Company's headquarters:



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