



PRODUCT INFORMATION

BROCHURE

1.1D

PERMISSIBLE PRODUCTS



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.

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

MSHA approved explosives for underground coal and “gassy” mines

PRIMING

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

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

Properties		Coalmex	Red-D Gel-B	Rockbuster II
Density [g/cc]		1.12	1.35	N/A
Relative Bulk Strength †		130	166	N/A
Water Resistance		Excellent	Excellent	Excellent
Velocity of detonation	[ft/s]	16,800	16,000	15,750
	[m/s]	5,120	4,876	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.

STANDARD PACKAGING DETAILS

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

SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is one year from the date of manufacture under good storage conditions.
- Store in accordance with all applicable local, state, provincial and federal laws.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Austin Powder Technical Representative for information on safe practices.

TRANSPORT – UN CLASSIFICATION

Coalmex	Red-D Gel-B	Rockbuster II
Shipping Name: Explosive, Blasting, Type E	Shipping Name: Explosive, Blasting, Type A	Shipping Name: Rockbuster II
Class & Division: 1.1D	Class & Division: 1.1D	Class & Division: 1.1D
ID Number: UN 0241	ID Number: UN 0081	ID Number: UN 0081

US DOT REFERENCE NUMBER

Coalmex	Red-D Gel-B	Rockbuster II
EX-1993050177	EX-9303286	EX-9303286

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AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.