



Enviroprime ALX™

AUSTIN POWDER

A TRADITION OF SAFETY, STRENGTH AND SERVICE.

Bioremediation Technology

DESCRIPTION

Enviroprime ALX offers the added safety and security of biodegradation of Pentolite explosives with no effect on expected explosive performance. This is accomplished by the addition of a specific proprietary microorganism that Austin Powder adds to the explosive at manufacturing. When submerged in water for over one year, the microorganisms become active and begin to consume the explosive components. The addition of energetic metals greatly improves the explosives detonation efficiency and strength.

BENEFITS

- Excellent detonation velocity and low gas production result in excellent seismic pulse images.
- Anaerobic bacteria are provided in a time-released form, so they are activated after at least one year in the subsurface environment.
- Microorganisms and nutrients do not interfere with the explosive energy.
- Double cap well will accommodate detonators of 4" length.



Energy* (cal/g)	Gas Volume* Mols/kg	Density (g/cc)	Detonation Pressure (Kbars)	Velocity (ft/sec)	Velocity (m/sec)	Water Resistance
1760	16.6	1.76	229	23,700	7,290	Excellent

*Austin Powder calculates energy and gas volume with "TIGER", a thermodynamic computer code. Gas volume calculations consider water as liquid.

PRIMING

Use a high-strength detonator (greater than a #8 strength, 450 mg base charge).

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PACKAGING

Product (lbs. / kg)	Cartridge Size** (in. / mm)	Quantity per case	Case Weight (lbs. / kg)	Case Size (in. / cm)
Enviroprime ALX (1.1 / 0.5)	2 ¼ / 57	40	47.4 / 21.5	12 ¾ x 17 ½ x 11 ¾ 32.4 x 44.4 x 29.8
Enviroprime ALX (2.2 / 1.0)	2 ¼ / 57	20	47.4 / 21.5	12 ¾ x 17 ½ x 11 ¾ 32.4 x 44.4 x 29.8
Enviroprime ALX (4.4 / 2.0)	2 ¼ / 57	10	47.4 / 21.5	13 x 30 ¾ x 4 ⅝ 33 x 78.1 x 11.7
Enviroprime ALX (5.5 / 2.5)	2 ¼ / 57	10	57 / 25.9	13 x 30 ¾ x 4 ⅝ 33 x 78.1 x 11.7

**Available in other sizes upon request.



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

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STORAGE

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

SHELF LIFE

Indefinite from date of manufacture under good storage conditions.

UN CLASSIFICATION

Shipping Name: Boosters
Class & Division: 1.1D
ID Number: UN 0042

DOT REFERENCE NUMBER

EX-1993030285

Disclaimer of Warranties and Limitations of Liabilities

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