

Seisprime™

PRODUCT INFORMATION BROCHURE

Seisprime is formulated of a composite of high density, high velocity molecular explosives. Seisprime is engineered to produce over 240 kilo bars of detonation pressure. The rigid threaded plastic Seisprime cartridge is designed to accept an anchor point or top anchor, and is provided with two detonator wells. Seisprime has the longest “sleep time” of any commercial seismic explosive. The formulation suits the requirements of mini-hole, as well as deep hole seismic exploration. Use a high-strength seismic detonator of 720mg PETN or greater for reliable initiation.

ADVANTAGES

- 24,500 fps detonation velocity produces excellent seismic pulse images.
- Formulated to achieve a higher detonation temperature and lower post detonation gas production than standard seismic pentolite, dynamites or emulsions.
- Does not contain nitroglycerine or perchlorates.
- Full function reliability in all typical geophysical hole depths/water conditions.



PROPERTIES

Velocity of Detonation (mps / fps)	Detonation Pressure* (kilo bars)	Total Gas Generation* (liters / kg)	Energy* (MJ/kg)	Density (grams/cc)	Water Resistance
7,538 / 24,500	240	619	6.33	1.73	Excellent

*Detonation pressure, total gas generation and energy values are calculated using Tiger™, a well established thermodynamic computer code. Other computer codes may give different values.



AUSTIN POWDER

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STANDARD PACKAGING DETAIL

Product (kg / lbs.)	Cartridge Size* (mm / in.)	Quantity per case	Case Weigh (kg / lbs.)	Case Size (cm / inches)
Seisprime (0.5 / 1.1)	57 / 2 ¼	40	21.5 / 47.4 lb	32.4 x 44.4 x 29.8 12 ¾ x 17 ½ x 11 ¾
Seisprime (1.0 / 2.2)	57 / 2 ¼	20	21.5 / 47.4 lb	32.4 x 44.4 x 29.8 12 ¾ x 17 ½ x 11 ¾
Seisprime (2.0 / 4.4)	57 / 2 ¼	10	21.5 / 47.4 lb	33 x 78.1 x 11.7 13 x 30 ¾ x 4 ⅝
Seisprime (2.5 / 5.5)	57 / 2 ¼	10	25.9 / 57.0 lb	33 x 78.1 x 11.7 13 x 30 ¾ x 4 ⅝

* Available in other sizes upon request.

STANDARD TECHNICAL DESCRIPTION

High-density molecular explosive

STORAGE

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

SHELF LIFE

Indefinite from date of manufacture under good storage conditions.

TRANSPORTATION DATA

UN CLASSIFICATION

Shipping Name: Boosters

Class & Division: 1.1D

ID Number: UN 0242

US DOT REFERENCE NUMBER

EX-1993030285

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