



# PRODUCT INFORMATION

## BROCHURE

1.1D

## SEISPRIME™



**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.

### PRODUCT OVERVIEW

#### TECHNICAL DESCRIPTION

High-density molecular explosive.

#### 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

Properties	Value	
Density [g/cc]	1.73	
Detonation Pressure [kb]	240	
Total Gas Generation* [liters/kg]	619	
Energy* [MJ/kg]	6.33	
Water Resistance	Excellent	
Velocity of detonation	[ft/s]	24,500
	[m/s]	7,538

\*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.

## STANDARD PACKAGING DETAILS

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.

## SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is indefinite 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

Shipping Name: Boosters  
Class & Division: 1.1D  
ID Number: UN 0242

## US DOT REFERENCE NUMBER

EX-1993030285

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