



PRODUCT INFORMATION

BROCHURE

1.1D

TRENCHPRIME®

Trenchprime Cast Boosters are high-density molecular explosives designed to produce high detonation pressures for optimum initiation of blasting agents. Trenchprime is specifically designed to accommodate detonators up to 4" (101.5mm) in length. The Trenchprime family of cast boosters is designed to be initiated by non-electric, electric and electronic detonators that are classified as a minimum of #8 strength (450mg or greater PETN) base charge.

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

High-density explosive for priming pipeline, trenching, underwater and other severe blasting applications.

APPLICATION RECOMMENDATIONS

Trenchprime Cast Boosters are manufactured with molecular explosives consisting of PETN and TNT, both of which are sensitive to severe impact, heat or friction. As with all explosives, Trenchprime must be transported, stored and handled with care. Avoid any impact with solid surfaces.

ADVANTAGES

- Trenchprime Cast Boosters detonate in excess of 24,000 ft/sec (7,380 m/sec).
- Over 230 kb of detonation pressure ensures optimum steady state velocity for blasting agents.
- Excellent shelf life, highly resistant to water and oil.
- Optimized initiation energy for all booster sensitive explosives

PROPERTIES

Properties		Value
Velocity of detonation	[ft/s]	24,000
	[m/s]	7,380

STANDARD PACKAGING DETAILS

Product	Weight		Outside Diameter		Length		Units per Case	Typical Uses
	[oz]	[g]	[in]	[mm]	[in]	[mm]		
Trenchprime 33	5.3	151	1.43	36.0	4.50	114	64	Priming blasting agents in holes of 1.5" diameter or larger.
Trenchprime 50	8	227	1.70	43.0	4.5	114	64	Priming blasting agents in holes of 2" diameter or larger.
Trenchprime 75	12	340	2.05	52.0	4.6	117	49	Priming blasting agents in holes of 3.0" diameter or larger.
Trenchprime 100	16	454	2.33	59.0	4.50	114	36	Priming blasting agents in holes of 4" diameter or larger

SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is five years 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

Disclaimer of Warranties and Limitations of Liabilities: Products described in this document are sold by Austin Powder without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages. For more information and service locations please contact Austin Powder's headquarters:



AUSTIN POWDER

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