



PRODUCT INFORMATION

BROCHURE

1.5D

TRENCH PRO



Trench Pro bulk emulsion is specifically formulated to provide maximum energy and resistance to transient shock pressure in the pipeline, trenching, underwater, and other severe blasting applications.

ADVANTAGES

- 100% borehole coupling and high energy produce maximum performance
- Excellent water resistance promotes success in challenging water conditions
- Resistance to dynamic pre-compression assures performance, even in the most critical and challenging applications

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Trench Pro bulk emulsion is a solid sensitized ANE that is specially formulated to provide maximum energy and resistant to transient shock pressure in the pipeline, trenching, and other severe blasting applications

APPLICATION RECOMMENDATIONS

- For surface applications of this product, a minimum 1/3 lb cast booster (Green Cap DC or Eagle 150) is recommended
- For underground applications, a minimum 8g cast booster (Gold Nugget) or an appropriately sized Red D Prime cartridge is recommended
- Minimum borehole diameter 1 3/4" (44mm)
- Austin Powder accepts no responsibility for any loss or liability arising from use of this product in ground containing pyritic or other reactive material
- Consult your Austin Powder Technical Representative for advice on all application recommendations

PROPERTIES

Properties	Value	
Density [g/cc]	1.2	
Oxygen Balance [%] ⁽¹⁾	-7.7	
Water Resistance	Excellent	
Relative Weight Strength ⁽¹⁾	88	
Relative Bulk Strength ⁽¹⁾	129	
Velocity of detonation (confined) ⁽²⁾	[ft/s]	20,000
	[m/s]	5,500

Relative properties derived from an ANFO density = 0.82 g/cc @ 100 bar

Relative energy values based on ANFO = 100

Notes:

(1) Theoretical values based on Austin modeling which assumes ideal detonation.

Values calculated with other codes may differ.

(2) The velocity of detonation will depend on application, diameter and confinement.

PRIMING

Trench Pro is a booster-sensitive explosive and must be in direct contact with an appropriately sized Trenchprime or equivalent cast booster. Use with detonating cord is not recommended.

SHELF LIFE, STORAGE & DISPOSAL

- Store in accordance with all applicable local, state, provincial, and federal laws.
- Six months from the date of manufacture under good storage conditions.

TRANSPORT – UN CLASSIFICATION

Shipping Name: Explosive, Blasting, Type E

Class & Division: 1.5D

ID Number: UN 0332

US DOT REFERENCE NUMBER

EX-2008120354

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

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