



PRODUCT INFORMATION

BROCHURE

1.5D

HYDROMITE 3000 SERIES



Hydromite 3000 Series provides excellent blast performance through the combined use of Hydromite 1100 (solid-sensitized ANE) and ammonium nitrate prill.

ADVANTAGES

- 100% borehole coupling and high energy produce maximum performance
- Good water resistance promotes success in challenging water conditions

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Products in the Hydromite 3000 Series are blends of Hydromite 1100 (solid sensitized ANE) and ammonium nitrate prill to produce a high-energy emulsion blend system

APPLICATION RECOMMENDATIONS

- Minimum booster: 1/2 lb. cast booster (e.g., Brown Cap DC, Eagle 225, Eagle E*STAR 50)
- Minimum borehole diameter: 4" (100mm)
- Austin Powder accepts no responsibility for any loss or liability arising from the use of this product in the 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]	1.25 to 1.30
Oxygen Balance [%] ⁽¹⁾	-.66 to -3.5
Water Resistance	Good
Relative Weight Strength ⁽¹⁾	98 to 106
Relative Bulk Strength ⁽¹⁾	149 to 168
Velocity of detonation (confined) ⁽²⁾	[ft/s] 20,000 to 23,000
	[m/s] 5,181 to 5,791

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

These products are booster-sensitive explosives and must be in direct contact with an appropriate size cast booster. Additional primers may be required depending upon geological conditions and face height.

SHELF LIFE, STORAGE & DISPOSAL

- Store in accordance with all applicable local, state, provincial, and federal laws.
- These products are designed to be used as they are manufactured from the bulk truck.

TRANSPORT – UN CLASSIFICATION

Shipping Name: Explosive, Blasting, Type E
 Class & Division: 1.5D
 ID Number: UN0332

US DOT REFERENCE NUMBER

EX-1993050178

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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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