



PRODUCT INFORMATION

BROCHURE

1.5D

ADVANCE SERIES



Hydromite Advance bulk emulsion is specially formulated to provide the maximum advance in underground, underwater and other construction blasting applications.

ADVANTAGES

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

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

The Hydromite Advance Series provide bulk solid sensitized emulsions that are formulated to be used in the most challenging blasting conditions, such as underwater and construction applications.

APPLICATION RECOMMENDATIONS

- For surface applications of this product, a minimum 1/3lb 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" - 2 1/2" (44mm - 63mm)
- Hydromite Advance is specially formulated for use in underground mining and construction environments.
- 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]	1.20 to 1.25
Oxygen Balance [%] ⁽¹⁾	-7.6 to -7.7
Water Resistance	Excellent
Relative Weight Strength ⁽¹⁾	88 to 90
Relative Bulk Strength ⁽¹⁾	129 to 138
Velocity of detonation (confined) ⁽²⁾	[ft/s] 20,000 to 21,000
	[m/s] 5,200 to 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

Hydromite *Advance* is a booster-sensitive explosive and must be in direct contact with an appropriately sized Cast Booster or equivalent primer. 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 date of manufacture under good storage conditions.

TRANSPORT – UN CLASSIFICATION

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

US DOT REFERENCE NUMBER

X-1993050178

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

Austin Powder, 25800 Science Park Drive, Cleveland, OH 44112 USA
austinpowder.com | info@austinpowder.com | Phone 1-800-321-0752 | Fax 1-216-464-4418