



PRODUCT INFORMATION

BROCHURE

1.5D

HYDROMITE 1100



Hydromite 1100 emulsion is specially formulated to provide maximum performance in demanding applications, such as construction blasting.

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

Hydromite 1100 is a solid sensitized bulk emulsion used in surface and underground 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 2 1/2" (64mm)
- 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]	1.25	
Oxygen Balance [%] ⁽¹⁾	-7.6	
Water Resistance	Excellent	
Relative Weight Strength ⁽¹⁾	90	
Relative Bulk Strength ⁽¹⁾	138	
Velocity of detonation (confined) ⁽²⁾	[ft/s]	18,000
	[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

These products must be in direct contact with an appropriate size Red-D Prime or cast booster (recommended minimum 1/3 lb). Additional primers may be required depending upon borehole or geological conditions.

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: UN0332

US DOT REFERENCE NUMBER

EX1987050019

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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