



PRODUCT INFORMATION

BROCHURE

1.5D

5.1

AUSTINITE 15



Austinite 15 is an explosive mixture of ammonium nitrate prill and fuel oil to be used in dry surface and underground applications

ADVANTAGES

- 100% borehole coupling (bulk use only) and high energy produce maximum performance
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- Good fragmentation and excellent heave energy provide easy digging muckpiles
- Available in augured or pneumatically blown form for use in both surface and underground applications
- Available in packaged configurations or delivered in bulk form. Bulk deliveries can be made pre-mixed or as components for on-site fueling

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Austinite 15 is Austin Powder's ammonium nitrate/fuel oil (ANFO) offering. ANFO offers excellent explosive energy and can be used in a range of mining and quarrying environments in surface operations and underground.

APPLICATION RECOMMENDATIONS

- Minimum booster (surface): 1/2 lb. cast booster (e.g. Brown Cap DC, Eagle 225, Eagle E*STAR 50)
- Minimum borehole diameter 2" (50mm)
- Must be used in dry environments and is not suitable for use in wet boreholes.
- 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]	.82	
Oxygen Balance [%] ⁽¹⁾	-1.3	
Water Resistance	Poor	
Relative Weight Strength ⁽¹⁾	100	
Relative Bulk Strength ⁽¹⁾	100	
Velocity of detonation (confined) ⁽²⁾	[ft/s]	15,000
	[m/s]	3,962

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

Austinite 15

Shipping Name: Ammonium Nitrate - Fuel Oil Mixture

Class & Division: 1.5D

ID Number: NA 0331

US DOT REFERENCE NUMBER

EX-9303283 (Austinite 15)

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AUSTIN POWDER

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

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