



Description

Amex™ is a packaged blend of Ammonium Nitrate and Fuel Oil.

Application

Amex™ packaged blasting agent can be used at surface and underground operations in dry boreholes or the sealed dry top portion of holes containing water. Also, it can be pneumatically loaded into small-diameter horizontal and inclined boreholes.

Key Benefits

- *Amex™* packaged blasting agent has reduced post-blast fumes that result in reduced turnaround times.
- *Amex™* loads easily and completely fills the borehole.
- *Amex™* is factory blended to provide consistent results.
- *Amex™* is free flowing, it can be poured into down-holes or used in a pneumatic loader.

Packaging

Amex™ is available in bulk or packaged form. Packaged in plastic sizes ranging from 22.7 kg to 25 kg (55 lb) or 1-ton totes. Packaged in paper sizes ranging from 15 – 25 kg (may not be available in Canada).

Technical Properties

Amex™			
Properties	Poured in 100 mm (4 in. hole)	Pneumatically loaded in 32 mm (1 ¼ in.) hole	
Density (g/cc)	0.84	1.0	
Hole Type	Dry or Dewatered		
Delivery System	Packaged		
Typical	m/s (1,000's)	4.0	3.3
VOD ⁽¹⁾	ft/s (1,000's)	13	10.8
Water Resistance	None	None	
Fume Class	1	1	
Relative Effective Energy (REE) ⁽²⁾	RWS	100	100
	RBS	100	119

Recommendations for Use

Priming and Initiation

Poured or gravity loaded, *Amex™* is not detonator sensitive. It should be primed with the largest possible diameter detonator sensitive explosive or an appropriately sized Pentex™ booster. The use of detonating cord may adversely affect the performance of the *Amex™* and could result in misfires in boreholes less than 75 mm (3 in.) in diameter. Consult an Orica representative before attempting to use with detonating cord.

When *Amex™* is loaded pneumatically, Orica recommends the use of a cast booster, or a cartridge of high explosive for priming. For guidelines when priming directly with a high-strength detonator alone, contact an Orica Technical Representative.

Loading

Amex™ has no water resistance. It must be used in dry holes or the sealed dry top portion of holes containing water.

Amex™ can be poured from the bag into holes.

Amex™ can be pneumatically loaded with approved pneumatic loading equipment.

Do not pour load *Amex™* into boreholes less than 65 mm (2½ in.) in diameter. Consult an Orica representative for guidelines.

Storage and Handling

Explosive Classification

Authorized Name:	<i>Amex™ Pellite</i>
Proper Shipping Name:	Explosive, blasting, type B
Classification:	1.5D
UN. No:	0331
Packing Group:	II
EX Numbers:	
Charlestown, IN (OUSA)	1997120110
Bonne Terre, MO (OUSA)	1980090028
Clearfield, PA (DC Guelich)	1997010114
Lehi, UT (SW Energy)	1997080072
Boise, ID (IWE)	2003060148

Amex™

Storage

For maximum shelf life, *Amex™* should be stored at ambient temperatures. Extreme changes in temperature, which cause *Amex™* explosive to cycle through -18°C or 32°C (0°F or 90°F), will reduce its shelf life, and make it lumpy and hard to handle. *Amex™* should be stored in dry conditions in a well-ventilated, approved, high explosives magazine.

Disposal

Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact a local Orica representative for information on safe practices.

Safety

Amex™ is relatively insensitive to accidental initiation by shock, friction or mechanical impact under normal conditions of use. Detonation may occur from heavy impact or excessive heating particularly under conditions of confinement.

Explosives based on Ammonium Nitrate such as the *Amex™* may react with pyritic materials in the ground and create potentially hazardous situations. Orica accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material.

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Emergency Contact Telephone Numbers

For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents:

Canada: Orica Canada emergency response **1-877-561-3636**

USA: Chemtrec **1-800- 424-9300**

For lost, stolen or misplaced explosives:

USA: BATFE **1-800-800-3855**. Form ATF F5400.0 must be completed and local authorities (state / municipal police, etc) must be advised.

Notes

1. The in-hole VODs of this product has been measured in excess of the values shown. Actual VOD will depend on hole diameter and confinement.
2. The Relative Effective Energy (REE) of an explosive is the energy calculated to be available to do effective blasting work. All energy values are calculated using the *IDeX™* computer code owned by Orica for the exclusive use of its companies. Energy values are based on standard ANFO with a density of 0.84 g/cc and a cutoff pressure of 100 MPa. Other computer codes may give different values.

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