



Product Fact Sheet

Bulk Amex™

Amex* ammonium nitrate and fuel oil blend is a cost effective explosive for everyday blasting operations. **Amex** can be used in dry boreholes or the dry top portion of holes containing water.

Features

Bulk Amex blasting agent is:

- A low cost explosive;
- Blended and bulk loaded by truck at the borehole;
- Made with simple ingredients;
- Stable enough to be slept in dry holes up to three weeks;

Benefits

Bulk Amex blasting agent:

- Offers greater profitability;
- Improves productivity and labor efficiency;
- Has proven reliability;
- Reduces planning and logistical headaches.



ALWAYS
lock up explosive
materials and
keep them
from children

Bulk Amex

Bulk Blend of Ammonium Nitrate and Fuel Oil

Properties

Bulk Amex		Auger loaded in 200 mm (8 in) holes
Density (g/cc)		0.84
Typical Velocity of Detonation		4 500 m/s * 14,750 ft/s
Water Resistance		nil
Fume Class		1
Relative Effective Energy (REE) [§]	Relative Weight Strength (RWS)	100
	Relative Bulk Strength (RBS)	100

* The in-hole VOD of this product has been measured in excess of 4,500 m/sec. Actual VOD will depend on hole diameter and confinement.

§ 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.

Priming

Auger loaded **Bulk Amex** is not detonator sensitive. It should be primed with the largest **Pentex*** booster possible.

Warning: Detonating cord will adversely affect the performance of **Bulk Amex**, especially in smaller diameters and may result in misfires. Consult an Orica Explosives representative before attempting to use with detonating cord.

Delivery

Ammonium nitrate prills and fuel oil are delivered to the site by a truck which mixes the ingredients at the borehole and auger loads the finished product. Typical **Bulk Amex** trucks have a 15 tonne capacity.

Loading

Bulk Amex is auger loaded at 600 kg/min from a mix truck. For optimum visibility and flexibility, Orica mix trucks are equipped with a side boom or a forward-loading boom auger.

Warning: Auger loaded **Bulk Amex** is not recommended for boreholes less than 65 mm (2½ in) in diameter.

Sleep Time

Under good, dry conditions, **Bulk Amex** may be "slept" in the borehole. Please consult your Orica Explosives Representative for specific recommendations on compatible initiation systems where sleep times are expected to exceed three weeks.

Hazardous Materials Shipping Description

Explosive, Blasting, Type B,
Class and Division 1.5D,
UN 0331, PG II

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