

PANEX™

Packaged ammonium nitrate fuel oil (ANFO) blasting agent

Product description

PANEX™ is a blend of porous ammonium nitrate prill and fuel oil. PANEX™ is a free flowing blasting agent used in dry blast holes. PANEX™ is oxygen balanced to offer optimal energy and it is suitable for small, medium to large diameter holes. PANEX™ is not suitable for use in wet holes.



Application

PANEX™ is used in dry blast hole conditions for both surface and underground blasting operations.

Features

- **Initiation** – Pneumatically loaded PANEX™ can be initiated with a high strength detonator, Megamite™ cartridge, or a suitable booster
- **Bulk density** – 0.82 g/cm³
- **Blow-loaded density** – 0.95-1.05 g/cm³
- **VOD** – 3000-4200 m/s depending on hole diameter
- **Water resistance** – not resistant to water
- **Relative weight strength*** – 1
- **Relative bulk strength*** – 1

* The effective energy relative to ANFO™ at a density of 0.8 g/cm³ and energy of 3.82 MJ/kg. (Energy values are calculated using BME thermodynamic code – IPX)

Recommendations

- **Ground temperature** – recommended for use in temperature up to 60 °C
- **Shelf life** – 12 months in dry storage conditions
- **First aid** – refer to Material Safety Data Sheet for first aid information
- **Safety** – all explosives are classified as dangerous goods and can cause death, personal harm or damage to property if not used correctly
- **Transportation and storage** – all explosives must be transported in accordance with relevant regulations and must be stored in cool, dry, well ventilated magazine

Packaging

- i. 25 kg in clear LDPE liner packed in a white poly-woven outer bag
- ii. 4 x 6.25 kg (LDPE) multi-bags packed in a white poly-woven outer

Product risk profile

- Classified as hazardous substance, dangerous goods with mass explosion hazard
- Stable under normal storage conditions
- Severe detonation hazard when exposed to heat
- Detonation can occur from big impact, extreme friction or excessive heating
- On thermal decomposition hazardous gasses is emitted (nitrogen oxides and carbon oxide)
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVE FIRE

UN classification (Transport)

- Class 1.1 D, UN No. 0082, Explosive, Blasting, Type B