

ANFO

Product description

ANFO is a blend of Ammonium Nitrate and Fuel Oil for use in dry blastholes.

ANFO is augured into the blast holes.

The benefits of ANFO are:

- Safe and efficient explosive
- High blasthole loading rates
- Consistent quality
- ANFO is a safe and extremely cost-efficient explosive. It gives competitive drilling and blasting costs with excellent levels of blasting outcomes in the suitable rock types
- ANFO provides high levels of heave energy combined with efficient charge distribution throughout the blasthole

Application

ANFO explosive energy is partitioned towards heave and is ideal for dry holes only.

ANFO is not suitable for hot and or reactive ground conditions.

Classification

UN No.	0082
Shipping name	EXPLOSIVE, BLASTING, TYPE B
Class	1.1D
Material Safety Data Sheet	ANFO

Specifications (stated at 100MPa)

Properties	ANFO
Energy ¹ (MJ/kg)	2.3
Relative weight strength ¹ (%)	100
Relative bulk strength ¹ (%)	100
Nominal density range ² (g/cm ³)	0.7-0.85
Minimum hole diameter (mm)	60
Maximum down hole life in dry conditions	4 weeks

1. Downer Blasting Services' energy values, relative weight strength and relative bulk strength are calculated by an ideal detonation modeling computer program at the Imperial College London, United Kingdom.
2. A number of factors affect final product density including in-hole conditions, ammonium nitrate density, etc.

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Recommendations for use

Priming Requirements: The preferred primer is a 400g cast booster. However, a smaller booster can be used in smaller diameter holes. It is recommended that an additional cast booster be used every 15 metres of column charge to reduce risks associated with explosive column disruption.

Packaging: ANFO is available in bulk and is delivered through bulk truck delivery systems.

Handling: Information regarding this product is available from the relevant SDS.

Transportation: All explosives are classified as Dangerous Goods and must be transported in accordance with relevant State and Commonwealth regulations.

Storage and Security: All explosives are classified as Dangerous Goods and must be stored and secured in accordance with relevant State and Commonwealth regulations.

Manufacturer

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