

PETRAMMONITIS (AN-FO)



Description

Petrammonitis is the trade name of the standard AN-FO explosive produced by Extraco company. It is a mixture of porous (prilled) Ammonium Nitrate and Fuel Oil (diesel oil). Modern, fully automated equipment ensures a uniform mixture of fuel oil and ammonium nitrate, offering consistent product quality.

Technical data

Bulk density:	0.8 gr./cm ³
Relative weight strength:	75%
Velocity of detonation:	3,000 m/sec
Strength (Trauzl lead block test):	315 cm ³
Brisance (Hess test):	4,5 mm
Energy of explosion:	920 Kcal/Kg
Gas volume:	970 lt./Kg
Explosion temperature:	2600°C
Friction sensitivity:	>36 kg pistil load
Impact sensitivity:	>2 kp m

5% deviation is permitted to the above specifications.

Application

Petrammonitis can be used in all mining, quarrying and construction work. It is well suited for use as a column charge in soft rocks with medium and large diameter drill holes. It is a free-flowing product and can be poured directly from the sacks. Pneumatic charging in horizontal, vertical, or inclined drill holes, improves the performance of the explosive.

Petrammonitis has a poor water resistance and is recommended for use only under dry conditions. Bottom charge or a primer with a diameter as close as possible to the drill hole diameter and long enough to ensure stable detonation, should be used to initiate **Petrammonitis**. The use of detonating cord for initiation is not recommended, as it causes axial initiation. In this case **Petrammonitis** does not reach a stable velocity of detonation and consequently the reaction is incomplete.

Product range and Packaging

Petrammonitis is supplied in waterproof, easy to handle laminated sacks of 25Kg gross weight.

Storage

Petrammonitis should be handled, stored and used according to the national laws and regulations. Because of the high content in ammonium nitrate, **Petrammonitis** should be stored in a cool, dry, well-ventilated place. This treatment will reduce the risk of agglomeration caused by humidity and temperature fluctuation around +32°C. Storage up to +60°C is safe. When storing **Petrammonitis** for a long time, ammonium nitrate prills release some of the oil contained in them. Consequently, the explosive's detonating properties deteriorate. Provided that storage conditions are appropriate, it is recommended to use **Petrammonitis** within 6 months.

Product shelf life can be further extended after examined by the supplier.



Product classification

Commercial Name:	Petrammonitis - AN-FO
Technical Name:	Explosive, blasting, type B
UN-number:	0082
Division/Compatibility Group:	1.1D

