

EM-EX, EM-EX Al EMULSION EXPLOSIVE



Description

EM-EX belongs to the new generation of emulsion explosives. It is based on an ammonium nitrate solution, densely dispersed in a continuous oil phase, emulgator and other ingredients. Aluminum is added in many cases to increase the strength (**EM-EX Al**). The product is sensitized by the addition micro balloons. Because none of the ingredients is an explosive itself, **EM-EX** is very safe from the handling point of view compared to other explosives. It's water resistance is excellent and the products of detonation are free of toxic substances. The unique chemical synthesis of **EM-EX**, does not cause headache or any other medical side effect to the user.

Technical data

Density:	1.2 gr./cm ³
Relative weight strength:	80%
Velocity of detonation:	5,700 m/sec
Strength (Trauzl lead block test):	300 ml
Brisance (Hess test):	24 mm
Energy of explosion:	320 KJ/Kg
Gas volume:	920 lt./Kg
Friction sensitivity:	>50 J
Impact sensitivity:	> 360 N

5% deviation is permitted to the above specifications.

Application

EM-EX is a cap sensitive explosive that can be used in small and medium diameter drill holes. It's excellent water resistance and detonating properties, make **EM-EX** suitable for almost every blasting operation. Depending on the rock structure and the blasting requirements, **EM-EX** is a good alternative to powder and gelatinous explosives as a primer, bottom or column charge.

Product range and packaging

EM-EX is delivered in plastic film cartridges, packed in corrugated board cases of 25Kg net weight.

Storage

EM-EX should be handled, stored and used according to the national laws and regulations. It should be stored in a cool, dry, well-ventilated place. Storage temperature between +5°C and +30°C is highly recommended. Storage up to +60°C is safe. Provided that storage conditions are appropriate, it is recommended to use **EM-EX** within 12 months. Product shelf life can be further extended after examined by the supplier.

Product classification

Commercial Name:

Technical Name:

UN-number:

Division/Compatibility Group:

EM-EX - EM-EX Al

Explosive, blasting, type E

0241

1.1D

Cartridge dimensions (mm)	Cartridge weight (gr)	Number cartridges/box
65x500	2.080	12
38x400	510	49

