

RIOMAX HE

Cartridged High Energy Cap Sensitive Watergel

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RIOMAX HIGH ENERGY

DESCRIPTION

MAXAM has developed RIOMAX, a high performance high energy, reliable explosive in terms of strength and energy, it is sensitised with microballoons, and has been specifically designed for small hole diameters.

RIOMAX has a solid consistency and is grey in colour due to the aluminium in its composition and cartridged in waxed paper. RIOMAX has the appearance of dynamites, with lower NO_x fumes. The cartridges are packaged in plastic bags, and shipped in cardboard boxes.

APPLICATION

RIOMAX is an ideal solution for quarrying, trench work, shaft sinking, underground blasting of hard rock, and specialty projects such as underwater blasting. RIOMAX is also an excellent primer for RIOXAM (ANFO).

RIOMAX has been noted for its low NO_x fumes generation, reducing ventilation time after blasting underground in nonflammable atmospheres.

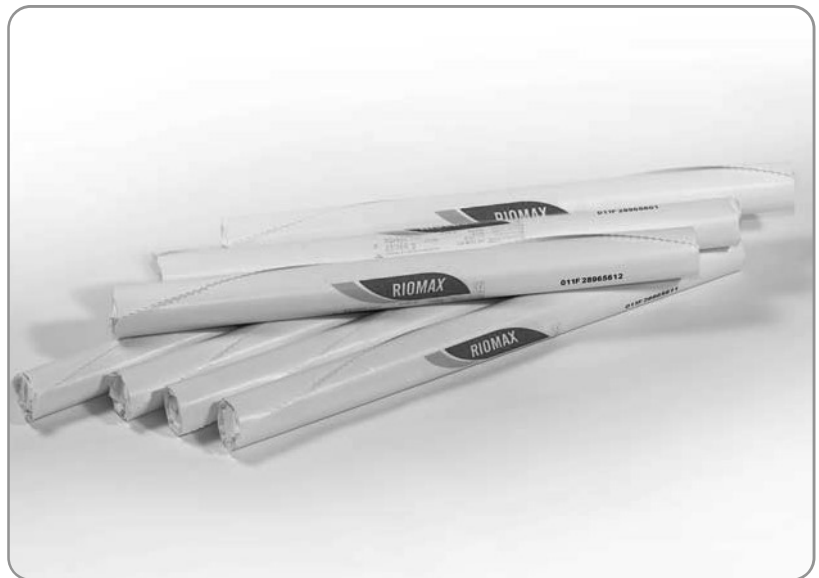
Advantages

- Highly energetic
- #8 detonator sensitive.
- Water resistance.
- Low NO_x fumes generation.
- Can be tampered in hole.
- Excellent as a primer.



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RIOMAX



1. Simple access area for secure insertion of detonator.



2. Placed in bags prior to boxes for superior product conservation.

RECOMMENDATIONS FOR USE

RIOMAX is sensitive to both RIONEL and RIODET detonators, its water resistance allows for its use in wet boreholes. Do not use in flammable or methane atmospheres. The temperature of this product should be within the range of -10°C and +60°C. For further information consult the Use Recommendations Sheet included inside the boxes or packaging of the product and its respective Material Safety Data Sheet.

SAFETY

USE: RIOXAM should be used, handled and stored with care, ensuring the product is kept away from flames and excessive heat sources.

DISPOSAL: The disposal of explosive material can be dangerous, ensure the appropriate safety measures have been applied according to the instructions on the MSDS.

STORAGE

To maintain the properties of MAXAM's explosives, we recommend they be stored in authorized deposits, in a cool dry place, with good ventilation.

Technical Characteristics (Nominal Values)

Density (g/cm ³)	1,20
Velocity of Detonation* (m/s)	2600 - 6400
Relative Effective Energy ¹ (%)	
Relative Weight Strength	117
Relative Bulk Strength	176
Gas Volume (L)	938

1) ANFO: Density 0,80 g/cm³, Effective energy 2.59 MJ/kg.

* VOD is dependent on application, diameter, confinement, and density, the maximum value within the range is the Ideal VOD.

Standard Packaging 1.1D (Nominal values)

Diameter x Length (mm)	Cartridge Weight (g)	Cartridges/Box	Weight/box (kg)	Type of Encasing
26x200	121	165	20	Waxed Paper Cartridges
28x200	143	140	20	Waxed Paper Cartridges
32x200	182	110	20	Waxed Paper Cartridges
38x400	526	38	20	Waxed Paper Cartridges
50x360	800	25	20	Waxed Paper Cartridges

Box Dimensions (L x W x H): 430 x 290 x 205

Transport Classification	Standard Packaging
Class	1.1D
UN Number	0241

Contact your local MAXAM representative for further information.

SAFETY WARNING

Read the Instructions Safety Sheet and the Material Safety Data Sheet provided carefully before using RIOMAX. MAXAM strongly recommends not to use RIOMAX products with detonators and/or initiation systems supplied by other manufacturers in the same blast and declines all liability in these cases. RIOMAX must be stored at moderate temperatures in a dry and well ventilated place.

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