



**DAYAGEL
SEISMIC**

Great Velocity of detonation
and greater sensitivity and
a longer shelf life



Explosives Services for
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Quarry and Construction
Oil and Gas

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DAYAGEL SEISMIC



“Serving Your Company Better”

SEISMIC



DESCRIPTION

Its advanced water in oil structure has been improved to deliver greater velocity of detonation (VOD), greater sensitivity and a longer shelf life.

DAYAGEL SEISMIC is a new product development of seismic explosives designed to improve the performance of the former generation of POWERGEL SEISMIC 3000 and DANAGEL SEISMIC.

Based on experiences of that POWERGEL and DANAGEL SEISMIC there are some weaknesses recorded as follows :

The screw coupling as a connector system designed on POWERGEL SEISMIC 3000 is short and use small thread so that the connection is weak.

Two detonator well applied on DANAGEL SEISMIC is to ensure efficiency of detonation initiation, however this causes some problems during production with the result the explosives filling process becoming not perfect.

Because the design limitations on DANAGEL SEISMIC cartridge, the unnecessary air gap found between cartridges assembled in one series, so that the transmission of the explosives detonation becomes not perfect.

In order to improve the performance of seismic explosives, we introduce the new high performance DAYAGEL SEISMIC.

As seismic explosives, beside the quality of the stuffing, the performance of DAYAGEL SEISMIC is determined by its cartridge design characteristics :

Connection between cartridges is big trapezium thread, so that the connection between cartridges assembled in one series becomes perfect.

Only one detonator well is applied in the New DAYAGEL cartridge design to make

explosives filling process easy and stuffing guaranteed in full. If it is required to install more than one detonator, the additional detonator can be attached at other cartridge assembled in one series.

The housing of detonator is designed in such manner, so the unnecessary air gap between cartridges can be minimized.

The cup is strengthened in order to assure perfect closing.

FLEXIBILITY OF CHARGE SIZE

DAYAGEL SEISMIC is available in 250 gr and 500 gr. The rigid plastic cartridges with positive screw coupling give great flexibility of charge size at the shot holes.

LONG SLEEPING TIMES

DAYAGEL SEISMIC has a sleeping time of up to 8 weeks in wet shot holes. It can be fired successfully in dry holes several months after being loaded.

EXCELLENT WATER RESISTANCE

DAYAGEL SEISMIC has excellent water resistance even in dynamic water situations. The explosives will provide a reliable energy source even in water filled shot holes up to 90 meters deep.

SAFETY THROUGH TECHNOLOGY

Being a water-in-oil emulsion DAYAGEL SEISMIC is composed of non-explosives ingredients. It has very low sensitivity to mechanical impact yet remains sensitive to a No. 8 Electric Detonator

HIGHLY PORTABLE

The extreme stability of DAYAGEL SEISMIC makes it particularly suitable for remote seismic suveys, because transportation risks in rugged terrain are greatly reduced.

RECOMMENDATIONS FOR USE

The minimum primer recommended for DAYAGEL SEISMIC is a No. 8 Strength detonator.

Some of Seismic and Submarine detonator meet this requirement and are available in a range of wire lengths and gauges suited to particular surveys conditions.

STORAGE

Cases should be stored in accordance with the instructions printed on each case.

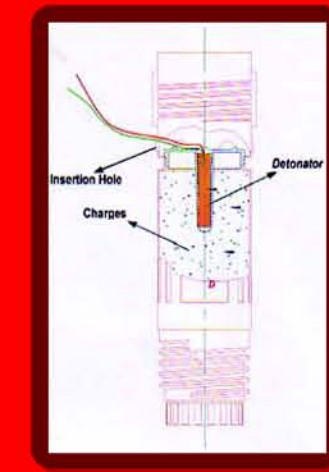
Store DAYAGEL SEISMIC in well ventilated magazine suitably licensed for Class 1.1 D Explosives.

Even in Tropical Climates, DAYAGEL SEISMIC has a shelf life of 12 months.



SPECIFICATION & PERFORMANCE

Velocity of Detonation	
- Without Pressure	5600 m/s
- After Pressured	5200 - 5500 m/s
Initiation	Instantaneous El Deto. No. 8
Hydrostatic Head	90 m
Sleeping Time	8 weeks
Shelf Life	12 Months
Cartridges Density	1.14 g/cc
Cartridges	
- Diameter	55 mm
- Length	205 mm 300 mm
- Weight	250 gram 500 gram
Box Dimension	480 320 x320 mm
Cartridges per Box	60 ea 40 ea
Gross Weight	20.9 kg 24.9 kg
Net Weight	15 kg 20 kg



DISCLAIMER

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