

EMUGEL

Cartridged Emulsion Products for Quarrying and Mining Applications

The Emugel range of explosives has been designed for use in blast holes of 25mm and greater.

Emugel 1:

Emugel 1 is a medium powered explosive for use in general quarry blasting. It is sensitive to a number 8 detonator, but to achieve maximum efficiency, the use of a cast booster is strongly recommended.

Label colour is blue

Emugel 2:

Emugel 2 is a high strength explosive for tough rock conditions. It can be used alone, or with a less powerful column charge. It is sensitive to a number 8 detonator but to achieve maximum efficiency, the use of a cast booster is strongly recommended.

Label Colour is green.

Properties:	Emugel 1	Emugel 2
Total Mass Energy (Mj/Kg)	3.6	4.2
Total Volume Energy	4.3	5.0
Density (g/cc)	1.20 (+/- 0,08)	1.20 (+/- 0,08)
VOD (mps 50mm diameter)	5,000	5,000
Detonation Pressure (GPa)	13.0	13.5
Water Resistance	Excellent	Excellent
Gas Volume (l/kg)	900	857
Fume Characteristics	Excellent	Excellent
Cartridge Sizes:	Emugel 1	Emugel 2
D 35mm L 440mm W 0.5kg 50 / case	Yes	Yes
D 50mm L 455mm W 1kg 25 / case	Yes	Yes
D 70mm L 530mm W 2.5kg 10 / case	Yes	No
D 85mm L 395mm W 2.5kg 10 / case	Yes	Yes
D 93mm L 395mm W 3.125kg 8 / case	Yes	Yes
D 100mm L 500mm W 5 kg	Yes	Yes

Note: To initiate Emugel products with detonating cord, there must be intimate contact between the cord and the explosives cartridges. It is recommended that 20g/m detonating cord be used with these products.