PACKAGED EMULSION EXPLOSIVES

Emulsion is the most recent discovery in Industrial explosives industry & is extensively used for commercial blasting all over the world since they are more efficient, more safe & deliver better performance than slurries/water gels. There has been a significant rise in the usage of emulsion explosives due to greater advantages as compared to other explosives.

SAFETY

The emulsion is stable and does not explode in the standard striking tests or while burning, however, it can explode if it is in contact with materials such as detonators, dynamites or aluminum powder.

ADVANTAGES

- Highly safe in manufacturing, transporting, storage and handling: The emulsion is classified as an oxidizer.
- Excellent resistance to water
- High velocity of detonation & Weight strength
- Savings in drilling operations
- Low sensitivity to heat
- High viscosity and rigidity

SBL ENERGY offers complete range of Emulsion package Explosives. The product can be produced in both bulk and packaged forms depending on the application. Emulsions are widely used for both underground and surface mining.

CAP SENSITIVE EMULSION LARGE DIAMETER CARTRIDGE EXPLOSIVES (Booster/Primer Charge)

SHIPPING NAME EXPLOSIVE		Class /DIV. : 1.1 D			UN NO : 241			
AUTHORISED NAME OF PRODUCT	PESO BRAND ID	Diameter mm	Weight grams	No of Cartridges in a box	Nominal Density gm/cc	Velocity of Detonation mtr/second	Relative Weight Strength *	Relative Bulk Strength *
NEO PRIME	620	65	1250	20	1.2 ± 0.05	4200 ± 500	118%	166%
		83	1000	25				
		83	2780	9				
		125	6250	4				
		200	12500	2				
NEO BLAST	626	83	2780	9	1.2 ± 0.05	4200 ± 500	120%	169%
		125	6250	4				
		200	12500	2				

REE is the effective energy relative to ANFO at a density of 0.85 g/cc . Energies based on ideal detonation calculation.

VOD of explosive depends on density, Hole diameter and degree of confinement.
VOD quoted is unconfined condition.

APPLICATION	• Suitable for Deep /Long hole Blasting In Opencast mines, quarrying, hill cutting good fragmentation (Excellent Water Resistance) • Can be used for plaster shooting/secondary blasting
HOW TO USE	• Initiation with Detonator of No 8 Strength and Detonating Cord • Air gap Sensitivity 2 centimetres
PACKAGING	• Cartridges are packed in HDPE/LDPE film and further packed in 25 kgs corrugated boxes

BOOSTER SENSITIVE EMULSION LARGE DIAMETER CARTRIDGE EXPLOSIVES

SHIPPING NAME EXPLOSIVE		Class /DIV. : 1.1 D			UN NO : 241			
AUTHORISED NAME OF PRODUCT	PESO BRAND ID	Diameter mm	Weight grams	No of Cartridges in a box	Nominal Density gm/cc	Velocity of Detonation mtr/second	Relative Weight Strength *	Relative Bulk Strength *
NEO COLUMN	621	83	2780	9	1.2 ± 0.05	3900 ± 300	78%	110%
		125	6250	4				
		200	12,500	2				
NEO BASE	628	83	2780	9	1.2 ± 0.05	4000 ± 300	80%	115%
		125	6250	4				
		200	12,500	2				

REE is the effective energy relative to ANFO at a density of 0.85 g/cc .
Energies based on ideal detonation calculation.

VOD of explosive depends on density, Hole diameter and degree of confinement.
VOD quoted is unconfined condition.

APPLICATION	• Suitable for Deep /Long hole Blasting In Opencast mines, quarrying, hill cutting as a Column Charge (Excellent Water Resistance)
HOW TO USE	• Non Cap Sensitive /non aluminized explosive has to be used with Cap Sensitive explosive / Booster Charge • Air gap Sensitivity 2 centimetres minimum (unconfined)
PACKAGING	• Cartridges are packed in HDPE/LDPE film and further packed in 25 kgs corrugated boxes