

# TECHNICAL DATA SHEET

## LoVEX™



### Description

LoVEX™ is a Water in Oil (W/O) type emulsion explosive packaged in 28mm diameter paper cartridge. It is designed to be used in both construction and urban area. LoVEX™ can replace hydraulic breaker in controlled blasting requiring low levels of vibration and noise. LoVEX™ has higher crushing efficiency than plasma or hydraulic breaker while maintaining high safety level and low vibration level.



### Features & Benefits

LoVEX™ is widely used in construction sites and for smooth blasting of contour holes in tunnels. It reduces vibration levels by 60% to 70% compared to NewMITE Plus™ I. The product also has higher crushing efficiency than other mechanical and chemical methods.

### Technical Data

LoVEX™	
Velocity of Detonation [VOD] (m/s) <sup>[A]</sup>	3,400
Density (g/cc)	0.78
Relative Weight Strength (%) <sup>[B]</sup>	67
Relative Bulk Strength (%) <sup>[B]</sup>	64
Water Resistance	Excellent
Minimum Temperature	Down to -20°C
Shelf Life	1 year

[A]: Confined @ 36mm diameter

[B]: ANFO = 100% @ 0.8g/cc, calculations with 100MPa

### Packaging

LoVEX™	
Packaging	Paper Cartridge
Diameter (mm)	32
Box size (mm)	420*280*220
Length (mm)	200
Weight (g/each)	120
Quantity (each/box)	100
Net Weight (kg/box)	12

\* The error range of weight/cartridge in the table above is within -3 to +5%

### Hazard classification

Authorised Name	LoVEX™
UN No.	0241
Classification	1.1D
Proper Shipping Name	EXPLOSIVE BLASTING, TYPE E

### Safety

When using LoVEX™, avoid contact with eyes or skin and wash hands thoroughly after handling. Keep LoVEX™ away from sources of heat, sparks, flame or hot surfaces and avoid mixing with combustibles or incompatible materials.

### Storage

All explosives are classified as Dangerous Goods and must be stored and secured in accordance with relevant local and national regulations.

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The use of Product is an intrinsically dangerous activity and must be restricted to qualified and trained users in possession of any necessary permits and licenses, and comply at all times with appropriate safety and risk prevention measures and with applicable laws.

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