



NOBELEX® 6000/8000

Booster Sensitive Emulsion Explosives

PROPERTIES

NOBELEX®	N6000	N8000
Density (g/cm ³)	1.24	1.23
Energy^a (MJ/kg)	3.07	3.05
Energy^a (Cal/g)	745	735
Relative Weight Strength^b	0.85	0.83
Relative Bulk Strength^{a,b}	1.30	1.26
Gaz Volume^a (lt/kg)	1014	1018
V.O.D.^c (m/s)	4500 - 5000	4800 - 5300
Detonation Temperature	2062 °C	1963 °C
Water Resistance	Excellent	
Shelf Life	6 Months	
Extreme Temperature	-10 °C to +40 °C	

a All Dyno Nobel energy and gas volume values are calculated using proprietary computer software developed exclusively by Dyno Nobel. Results obtained using alternative software, assumptions, or calculation methodologies may differ.

b ANFO: 1.00 @ 0.81 g/cm³

c 60 mm plastic cartridge min diameter.

All values may vary by ± 3%.

PRODUCT DESCRIPTION

Nobelx® 6000 / 8000 is a booster-sensitive explosive formulated by blending ANFO with emulsion technology. The product generates a high volume of detonation gases, producing strong heave energy and effective rock displacement.

The explosive is water resistant and has a density higher than water, allowing it to sink and displace water at the bottom of the blasthole. Its soft, pliable consistency enables complete filling of the hole bottom, where rock breakage is most critical, resulting in improved fragmentation and increased rock yield per blast.

In blastholes containing limited water, Nobelx® 6000 / 8000 allows the effective use of ANFO in the upper sections of the hole. The product maintains stable performance and is not adversely affected by temperature variations.



APPLICATION RECOMMENDATIONS

Widely used as the primary explosive for bottom charge and column charge in the following applications:

- General blasting operations in both wet and dry blastholes, including hard rock formations in coal mining operations.
- Raw material and limestone quarries within the cement industry, as well as natural stone and aggregate quarries.
- Civil engineering and infrastructure projects such as highway cut blasting, dam construction, and trench blasting operations.
- Special blasting applications requiring reliable bottom and column charge performance under demanding geological and operational conditions.
- To achieve optimal performance, Nobelx® 6000 / 8000 must be initiated with a sufficient quantity of cap-sensitive Powermite®

HAZARDOUS SHIPPING DESCRIPTION

Explosive, Blasting Type E, 1.5D UN0332



Product Disclaimer: Please see reverse side.



NOBELEX® 6000/8000

Booster Sensitive Emulsion Explosives

DIMENSIONS

CARTRIDGE SPECIFICATIONS

Cartridge Diameter mm	Length mm	Weight g
60	550 - 560	2000
75	440 - 445	2500
90	500 - 510	4000
125	340 - 345	5000

BOX CONFIGURATION

Cartridge Diameter mm	No. of Cartridge /Box	Case Dimension L x W x H - mm
60	10	540 x 180 x 250
75	8	445 x 160 x 300
90	5	340 x 180 x 250
125	4	380 x 245 x 260

* All cartridge sizes are packed in **20 kg** boxes.

** All values may vary by $\pm 3\%$.

TRANSPORTATION, HANDLING AND STORAGE

Handling

- Transport the product strictly in accordance with applicable local and national regulations and official authority guidelines.
- Smoking, open flames, sparks, and welding operations are strictly prohibited during handling and transport.
- Do not transport together with flammable materials.

Storage

- Store in a cool, dry, and well-ventilated area.
- Storage shall comply with all applicable local and national regulations and authority directives.
- Recommended storage temperature range: -10°C to $+40^{\circ}\text{C}$.
- Smoking, open flames, sparks, and welding are strictly prohibited in storage areas.
- Do not store together with flammable substances or ignition sources.
- Protect the product from strong mechanical shock.

SAFETY INSTRUCTIONS

- Explosives may cause serious injury to humans or harm to the environment if not stored, handled, or used properly.
- All explosives must be stored, handled, and used in full compliance with applicable laws, regulations, and safety standards.

In case of exposure to emulsion explosives:

- **Ingestion:** Do not induce vomiting. Drink 1–2 glasses of water immediately.
- **Eye contact:** Rinse eyes with clean water for at least 15 minutes. Seek medical attention if irritation persists.
- **Skin or clothing contact:** Carefully remove contaminated clothing and ensure it is thoroughly cleaned before reuse.

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ADDITIONAL INFORMATION – Visit nitromak.com or dynonobel.com for Brochures and Case Studies related to this product.

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