

PowerPro™

Description

PowerPro™ is a nitroglycerin-sensitized, extra-gelatin dynamite formulated to give high detonation velocity in surface and underground applications.

Application

PowerPro™ is useful in extremely wet conditions where a high-density product with high energy is required. PowerPro™ may also be used as a primer for dry blasting agents.

Key Benefits

- PowerPro™ extra-gelatin dynamite provides is high density, making it ideal for wet conditions or boreholes containing muddy water.
- PowerPro™ provides excellent performance under the most severe conditions.
- PowerPro™ is approved as a fume class 1 product.
- PowerPro™ has a high detonation pressure making it versatile for many different applications.

Technical Properties

PowerPro™ 50 mm (2")		
Cartridge Density (g/cc)		1.51
Velocity of Detonation ¹		5,300 m/s 17,400 ft/s
Water Resistance		Excellent
Fume Class		1
Relative Effective Energy (REE) ²	Relative Weight Strength (RWS)	120
	Relative Bulk Strength (RBS)	210

Packaging

PowerPro™ is packaged in rigid spiral wound shells or convolute paper shells; the standard cartridges sizes are as follows:

Size (mm)	Size (in.)	Kg/ Case	Lbs / Case	Cart./ Case	Paper Type
32 x 200	1 ¼ x 8	19.96	44.01	88	Convolute
40 x 200	1 ½ x 8	19.32	42.60	60	Convolute
40 x 400	1 ½ x 16	20.41	45.0	30	Convolute
50 x 400	2 x 16	19.28	42.51	17	Spiral Wound
65 x 400	2 ½ x 16	18.60	41.01	10	Spiral Wound

Recommendations for use

Priming and Initiation

PowerPro™ is recommended to be primed with a high strength detonator or 20 grain /ft detonating cord.

Sleep time in blastholes

For maximum **shelf life**, dynamite must be stored in cool, dry, and well-ventilated magazines. Dynamite that is stored under warm, wet, and/or humid conditions can deteriorate quickly, minimizing shelf life. Dynamite inventories should always be rotated, by using the oldest materials first.

PowerPro™ has excellent water resistance, and is suitable for use in applications with moderate to severe water conditions.

Storage & Handling

Product Classification

Authorized Name:	PowerPro™
Proper Shipping Name:	Explosive, blasting, type A
Classification:	1.1D
UN No:	0081
Packing Group:	II
EX Number:	1986030076

PowerPro™

Storage

For best results, store at moderate temperatures and dry conditions in a well ventilated, approved explosives magazine.

For recommended good practices in transporting, storing, handling, and using this product, refer to the "Always and Never" booklet packed inside each case.

Transport

PowerPro™ should be transported between -15°C (5°F) and +30°C (86°F).

Disposal

Disposal of explosives materials can be hazardous. Methods for safe disposal of explosives may vary depending on the user's situation. Please contact a local Orica representative for information on safe practices.

Safety

PowerPro™ can be initiated by extremes of shock, friction or mechanical impact. As with all explosives, *PowerPro™* should be handled and stored with care and must be kept clear of flame and excessive heat.

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Emergency Contact Telephone Numbers

For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents:

Canada: Orica Canada emergency response **1-877-561-3636**

USA: Chemtrec **1-800- 424-9300**

For lost, stolen or misplaced explosives:

USA: BATFE **1-800-800-3855**. Form ATF F5400.0 must be completed and local authorities (state / municipal police, etc) must be advised.

Notes

1. Unconfined.
2. All energy and gas volumes are calculated using PRODET™, the computer code developed by Dyno Nobel Inc., and are based upon ANFO @ 0.82 g/cc. Other computer codes may give different values.