



## Product Fact Sheet

# Apex™ 225

## Booster Sensitive Emulsion Explosive

**Apex\* 225** is a cost effective packaged product utilizing reusable FIBC containers. It is capable of substituting for existing booster sensitive slurry & emulsion explosives in most applications using blasting agents.

### **Features**

**Apex 225 booster sensitive bulk emulsion explosive is:**

- Cost competitive
- Packaged in FIBC containers
- A high energy formulation for reliable blast performance
- Formulated for 1 year shelf life

### **Benefits**

**Apex 225 booster sensitive bulk emulsion explosive provides:**

- Reduced blasting costs in non-critical applications
- An environmentally friendly product - eliminates burning of packaging
- Increased shock energy from initial crack development, excellent heave energy for muckpile displacement
- Reduced inventory control



# Apex 225

## Booster Sensitive Emulsion Explosive

### Properties

Apex 225		
Cartridge Density (g/cc)	1.25	
Velocity of Detonation†	5 500 m/s (18,000 ft/s)	
Water Resistance	Excellent	
Relative Effective Energy (REE)§	Relative Weight Strength (RWS)	102
	Relative Bulk Strength (RBS)	152
Shelf Life	1 Year	
Recommended Min. Diameter	2.5" (65 mm)	

† unconfined at 5°C (41°F)

§ The "Relative Effective Energy" (REE) of an explosive is the energy calculated to be available to do effective blasting work. All energy values are calculated using the **IDeX**\* computer code owned by Orica for the exclusive use of its companies. Energy values are based on standard ANFO with a density of 0.84 g/cc and a cut-off pressure of 100 MPa. Other computer codes may give different values.

### Priming

**Apex 225** is a booster sensitive explosive and must be in direct contact with an appropriate size Pentex, Magnum, Magnafrac or equivalent booster.

**Note:** Detonating cord may adversely affect the performance of **Apex 225** and could result in misfires. Consult an Orica representative before attempting to use with detonating cord.

### Loading

**Apex 225** has excellent water resistance.

**Warning:** Do not load **Apex 225** into boreholes less than the minimum recommended diameter.

### Packaging

**Apex 225** is available in flexible polywoven shot bags for sizes 4" and larger, and in valeron for sizes less than 4".

### Standard Sizes

Size	
100 mm x 9 kg	4 in x 20 lb
125 mm x 14 kg	5 in x 30 lb
150 mm x 14 kg	6 in x 30 lb
200 mm x 23 kg	8 in x 50 lb

Other sizes may be available by special arrangement.

### Shelf Life

One year from time of manufacture under good storage conditions.

### Storage

Booster-sensitive **Apex 225** is best stored at temperatures above -15 C (5°F). This is especially important in cold weather "load-and-shoot" work sites where there is insufficient in-hole warm-up time. Avoid sudden and extreme changes in temperature.

### Hazardous Materials Shipping Description

Explosive, Blasting, Type E,  
Class and Division 1.1D,  
UN 0332, PG II

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