



Description

Z-BAR is a contour product, designed to deliver the perfect solution for precision floor and perimeter blasting in wet or dry underground developments. It is a high strength packaged explosive produced in a continuous tube form to be used as a decoupled perimeter product. It is detonator sensitive and has 10 g/m detonating cord running internally through the entire length of the product.

Application

Z-BAR has been specifically designed to provide an easy-to-use and effective system for floor blasting in underground development rounds.

Z-BAR is also uniquely suited to development blasting where the ground is wet and suited to a high heave product.

Properties

Typical Density (g/cm ³)	0.9 – 0.95
Charge Weight (kg/m)	0.5
Velocity of Detonation ANFO (m/s)	Dependent on detonating cord VoD
Detonating Cord (m/s)	6500
Water Resistance	Excellent
Diameter (mm)	29
Colour	White

Packaging

Length (m)	Quantity per Box	Length per Box (m)	Nominal Box Weight (maximum) (kg)
3.0	12	36.0	25
3.5	10	35.0	25

Hazardous Shipping Description

Explosive, Blasting, Type B 1.1D UN 0082





Features and Benefits

- Charge concentrations are reduced due to the lateral decoupling of the cartridge, resulting in smooth and consistent perimeter results.
- Clean floor splitting is achieved by the high velocity of detonation of the internally traced 10g cord.
- A continuous ridged tube with Z-shape concertinas are pre-cut to standard drill lengths, reducing deployment and charge time.
- The continuous plastic tubes are water resistant allowing charging into dry, through to fully wet holes.

Recommendations

Priming requirements - Z-BAR is sensitive to a No. 8 strength detonator or greater. The preferred method of initiation is via the NONEL® system.

Whilst holding the primer section of the Z-BAR tube charge, insert the NONEL detonator fully into the detonator well, located at the end of the primer section. The NONEL tube should be secured into the notch, located in the rim of the detonator locator.

While holding the first length of tube with the detonator locator, rip the tape from around the Z-BAR tube and let the remaining tube lengths drop.

Insert the primer section of the Z-BAR tube into the collar of the blasthole and push it in until the tube end is flush with the collar.

Recommendations (continued)

Using the ANFO hose, push the Z-BAR charge fully to the toe of the blasthole. The Z-BAR tube charge must be contained fully within the blasthole, with a gap left to the collar of the blasthole. This will minimise failures due to “suck out”.

Ground Temperature - Suitable for use in ground with a temperature range from 0°C to 55°C.

Shelf life - Z-BAR products have a recommended shelf life of 12 months when transported and stored under ideal conditions.

Safe handling, transportation and storage

First Aid – You can find detailed first aid information on the relevant Dyno Nobel Safety Data Sheet. Refer to www.dynonobel.com for more information if required.

Safety - All explosives are classified as dangerous goods and can cause personal injury and damage to property if used incorrectly.

Transportation and Storage - All explosives must be handled, transported and stored in accordance with all relevant regulations. Stock should be rotated such that older product is used first.

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