

Dynosplit® RiGHT®

Continuous Pre-split Inhibited Product

Technical
Information



Description

Dynosplit® RiGHT® explosive is an inhibited high strength emulsion based explosive produced in a continuous cartridged form suitable for use as a pre-split product. Dynosplit RiGHT is detonator sensitive and has 8.5 g/m detonating cord running externally down the length of the product. The detonating cord has the high temperature rating (100°C/8 hours) required for this application.

Application

Dynosplit RiGHT has been specifically designed for pre-split blasting where hot and/or reactive ground conditions exist. It can be used in final pit walls, high walls, construction cuts and other special applications.

Features

- The cartridged form results in excellent lateral decoupling, reducing charge concentrations.
- The continuous length of detonating cord ensures a consistently high velocity of detonation, required for pre-split operations.
- Dynosplit RiGHT is suitable for a range of blasthole diameters. Dynosplit RiGHT is available in 32 mm diameter cartridges. The continuous cartridged product can easily be loaded by one person.
- The external string secured by the plastic clips provides support for the product in vertical applications.

Properties

| | |
|--|---------------------|
| Nominal Density (g/cm ³) ¹ | 1.10 – 1.14 |
| Velocity of Detonation (VoD) ² Emulsion (m/s) Detonating Cord (m/s) | 4700 – 5100 7000 |
| Water Resistance | High |
| Maximum Temperature and Sleep Time ³ | 100°C for 8 hours |

NOTES:

1. Values are indicative average densities only, determined under laboratory conditions by Dyno Nobel technical personnel at Dyno Nobel's Mt Thorley Technical Centre. Observed densities may differ or vary under field conditions. Nominal in hole density only.
2. VOD of product is dependant on VOD of detonating cord.
3. In hot ground. In reactive ground the maximum sleep time available will vary according to the reactivity of the ground and temperature of use. Please consult your Dyno Nobel customer representative in order for the required testing to ascertain the available sleep time to be performed.

Hazardous Shipping Description

Explosive, Blasting, Type E 1.1D UN 0241



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Recommendations

Use – Pre-split holes should be drilled at diameters and spacing determined by local conditions and requirements.

Priming - A minimum No. 8 strength detonator is required for reliable initiation. Alternatively 5 g/m detonating cord can be used as an initiating downline. At temperatures of 70°C and above, only detonating cord with the correct temperature rating should be used.

Water Resistance - Dynosplit RiGHT has excellent water resistance.

Temperature Range – Dynosplit RiGHT is suitable for use in temperatures from 0°C to 100°C.

Reactive Ground – Dynosplit RiGHT is suitable for use in reactive ground. The available sleep time will vary according to the reactivity of the ground and the temperature of use. Please consult your Dyno Nobel customer representative in order for the required testing to be performed to ascertain the available sleep in your application.

Shelf Life - Dynosplit RiGHT has a recommended maximum shelf life of eighteen (18) months, when transported and stored under ideal conditions.

Sleep Time – The maximum sleep time of Dynosplit RiGHT is dependent on the ground temperature and the level of ground reactivity, and is limited to the shortest time of all components of the explosives system at the temperature of use. As a guide in non-reactive ground, sleep times of 8 hours at 100°C and 24 hours at 90°C are available. Please consult your Dyno Nobel customer representative to arrange testing to ascertain the available sleep time in your application.

Safe handling, transportation and storage

First Aid - Detailed first aid information regarding this product is contained on the relevant Dyno Nobel Safety Data Sheet.

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 laws and regulations. Stock should be rotated such that older product is used first.

Packaging

Dynosplit RiGHT is produced in 20kg cases. All weights quoted include the external 8.5 g/m detonating cord.

| Diameter mm | Charge kg/m | Quantity m/case | Case Weight kg |
|----------------|----------------|--------------------|-------------------|
| 32 | 0.78 | 26.2 | 20.4 |

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