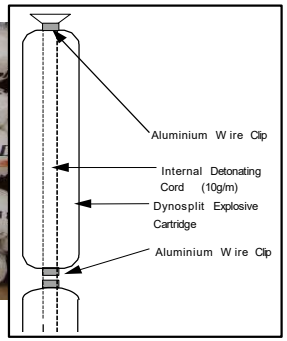
DynoSplit® Pro RiGHT®

Continuous Pre-split Inhibited Product

Technical Information



Description

DynoSplit® Pro RiGHT® is an inhibited high strength emulsion based explosive produced in a continuous cartridged form, double clipped at 400mm intervals. It is detonator sensitive and is internally traced having 10g/m detonating cord running internally down the length of the product. The detonating cord is rated for the higher temperature use (100°C/8 hours) required for this application.

Application

DynoSplit Pro RiGHT has been specifically designed for perimeter control blasting where hot and/or reactive ground conditions exist and a continuous length of decoupled charge is required. It can be used in smooth wall blasting, trim and pre-split for final pit walls, high walls, construction cuts and other special applications.

Features and Benefits

- The small diameter (with associated decoupling) and high velocity of detonation minimises blast damage to the blast-hole wall resulting in minimal wall damage.
- The product can be used in both hot and reactive ground conditions.
- DynoSplit Pro RiGHT is water resistant.
- DynoSplit Pro RiGHT is suitable for a range of blasthole diameters. It is available in 26mm and 32mm diameter cartridges.
- The continuous cartridge product can easily be loaded by one person.

Properties

Nominal Density (g/cm³) [1]	1.08 – 1.12g/cm³
Velocity of Detonation (VoD) [2]	6500m/s
Water Resistance	High
Maximum Temperature and Sleep Time [3]	100°C for 8 hours
Relative Weight Strength (RWS) % [4]	104%
Relative Bulk Strength (RBS) % [4]	153%

NOTES:

1. Values are indicative average densities only, determined under laboratory conditions. Observed densities may differ or vary under field conditions. Nominal in hole density only.
2. VoD of product is dependent on VoD of detonating cord.
3. 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 to arrange the required testing to ascertain the available sleep time to be performed. In hole temperature monitoring, and testing of representative rock samples from the specific site will need to be performed to confirm the specific sleep time able to be achieved for the specific customer site.
4. Energy values are calculated using a proprietary detonation code. Effective energy is relative to ANFO at a density of 0.8 g/cc. Energies quoted are based on detonation calculations with a 100Mpa cut off pressure.

Hazardous Shipping Description

Explosive, Blasting, Type E 1.1D UN 0241

Version 6
October 2023

Dyno Nobel Asia Pacific Pty Limited (ACN 003 269 010) is a subsidiary of
Incitec Pivot Limited (ACN 004 080 264) Level 8, 28 Freshwater Place, Southbank Vic 3006
Phone 1800 251 872 Fax 07 3026 3999 www.dynonobel.com

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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 5g/m detonating cord can be used as an initiating down-line. At temperatures of 70°C and above, only detonating cord with the correct temperature rating should be used.

Water Resistance - DynoSplit Pro RiGHT has excellent water resistance.

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

Shelf Life - DynoSplit Pro RiGHT has a recommended maximum shelf life of 18 months, when transported and stored under ideal conditions.

Sleep Time – The maximum sleep time of DynoSplit Pro 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.

Packaging

All weights quoted include the internal 10g/m detonating cord.

Diameter mm	Quantity m/case	Case Weight kg
26	27	17
32	30	25

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

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