DETONATING CORDS

PRIMAFLEX RANGE

PRIMAFLEX DETONATING CORD consists of a core of Pentaerithritol-Tetranitrate (PETN) enclosed in a tape which is wrapped with textile and/or synthetic yarns.

It is then enclosed in a tubular cover of coloured plastic, giving a strong flexible cord which is waterproof and light in weight. Primaflex may be initiated by a detonator of No.6 strength or greater. It has a velocity of detonation of 5,500mps.

Different strengths of cord are manufactured by varying the weight of the PETN core expressed in terms of grammes per meter, for example Primaflex 12 detonates 12g/m PETN core.

TYPES OF PRIMAFLEX

Primaflex 6

Used in Ireland for initiating a bunch of shock tube detonators in tunnel rounds.

Colour code:	Blue
Packing	Reels of 250m.

Primaflex 12

Used in surface blasting mainly as an in-hole initiator of explosives when decking the column charge. It may also be used as a trunk line for the initiation of a number of holes, but this is not recommended in sensitive locations where noise could be a problem.

Colour code	White
Packing	Reels of 50m and 150m.

Primaflex 40

Used for presplitting and cutting granite in dimensional stone quarries.

Colour code	Red
Packing:	Reels of 100m.

Primaflex 70

Used for presplitting and smooth blasting.

Colour code	Ivory
Packing	Reels of 100m.

UN CLASSIFICATION

1.1D

See over for safety data ➤

NOTE: If in any doubt concerning the correct use of the above products contact Irish Industrial Explosives Ltd.
IMPORTANT: If considering destruction of surplus products in the field please refer to *Recommended methods for the destruction of Explosives and Accessories*.

nsai
I.S. EN ISO 9002

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Safety data for:

DETONATING CORDS

PRIMAFLEX RANGE

1. CHEMICAL COMPOSITION

Detonating Cord has a core of Pentaerithrytol Tetranitrate PETN) encased in wound hemp and/or jute threads with a plastic coating.

2. HAZARDS IDENTIFICATION

Detonating Cord is classed U.N. Division 1.1., i.e. substances having a mass explosion risk.

Hazards	Risks
1. Explosion	Serious
2. Lifting/handling	Medium

Precautions

1. Personnel handling explosive must be trained in its use.
2. Personnel should be trained in lifting and handling.
3. Gloves should be worn when handling exposed explosives.

3. FIRST AID MEASURES

Contact of PETN with the skin: Wash thoroughly with warm water. Do not ingest.

4. FIRE FIGHTING MEASURES:

Fires involving explosives must NOT be fought. An area of at least 300 metres around the fire should be evacuated, and the site of the fire must not be approached until it is absolutely certain that the fire is out.

5. ACCIDENTAL RELEASE MEASURES

The cut ends of the detonating cord should be taped to prevent loose PETN from escaping. Small amounts of PETN should be washed away with water. Larger amounts should be carefully collected and destroyed as directed in *Recommended Methods for the Destruction of Explosives and Accessories*.

6. HANDLING AND STORAGE

Detonating Cord must be handled with care and not subjected to naked flame, high temperatures, friction or shock. Smoking while handling explosives is strictly forbidden. Detonating Cord should only be cut with a sharp knife on a wooden anvil or using parallel-faced cutters. Storage of explosives is permitted only by the Government Inspector of Explosives who will lay down the conditions of storage.

7. EXPOSURE CONTROL AND PERSONAL PROTECTION

When handled correctly Detonating Cord does not present any serious hazard to personnel. Excessive exposure to PETN may cause headaches.

8. PHYSICAL AND CHEMICAL PROPERTIES

Detonating Cord is manufactured in various strengths denoted by the weight of PETN, in grams, per metre of cord. Each strength has a different coloured plastic covering:

• 6g/m	Orange
• 10 and 12g/m	White
• 40g/m	Red
• 70g/m	Grey with yellow stripe
• 100g/m	Green with yellow stripe

Reel lengths are 50, 100, 150 and 200 metres depending on strength.

9. STABILITY AND REACTIVITY

The shelf life of Detonating Cord—stored in good conditions—is at least five years.

10. TOXICOLOGICAL INFORMATION

There is no known toxic hazard from Detonating Cord.

11. TRANSPORT INFORMATION

Explosives may only be transported as laid down in the relevant legislation, viz:

- S.I. No. 38 of 1955
- S.I. No. 151 of 1960
- S.I. No. 309 of 1973
- S.I. No. 317 of 1981
- S.I. No. 275 of 1986, and
- any additional legislation that may be enacted.

12. REGULATORY INFORMATION

Customers wishing to purchase explosives must comply with S.I. 115 of 1995, European Community (Placing on the Market and Supervision of Explosives for Civilian Use) Regulation 1995.

For further information on these or other **Irish Industrial Explosives Ltd.** products please contact us at one of the addresses below.

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