

# Non - Electric Detonators

Minexplo supplies non-electric detonator systems for initiation of surface blasts & long delay tunnel detonators for underground and demolition blasting.

The surface blasting system consists of a set of detonators with three available in-hole delay times of 450ms, 475ms and 500ms together with a range of delayed action surface connectors.

By using combinations of downhole detonators and the various surface delayed action connectors, the simplest to most complicated

blast designs can be achieved.

The tunnel series of non-electric detonators has delay intervals suitable for use in tunnelling, underground mining and demolition applications. There are up to 26 delay numbers in the tunnel range from 0 to 7000 milliseconds.



## Product and Company Identification

Product Identifier	Euronel 2 non-electric detonator assemblies: Euronel 2 connector. Euronel 2 starter line. Euronel 2 in-hole detonators. Euronel 2 Tunnel detonators. Euronel 2 Duo detonators.
Use of the Product	<p><b>Connector</b> - A surface initiation system for explosive charges, particularly in open cast, open pit mining, quarry blasting and underground mining applications underground mining applications.</p> <p><b>Starter line</b> - A connector detonator with a longer length of shock-tubing to act as a lead-in line.</p> <p><b>In-Hole</b> - A down-hole initiation system for explosive charges, particularly in open cast, open pit mining and quarry blasting.</p> <p><b>Tunnel</b> - An in-hole initiation system for explosive charges, particularly in development tunnelling in underground mining.</p> <p><b>Duo</b> - A combined down-hole and surface initiation system for explosive charges used in open pit/cast mining, quarry blasting and underground applications.</p> <p>Euronel 2 detonators are not suitable for use in underground mines where there is a risk of methane gas and/or coal dust explosion.</p>
Manufacturer / Supplier	EPC-UK EXPLOSIVES / MINING EXPLOSIVES LTD
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## Product Specification

Product Type	Non-electric Detonators	
Product Name	Euronel 2 In-Hole	Euronel 2 Connector
Detonator Shell	Aluminium	
Length (mm)	63 - 93	51.5
Diameter (mm)	7.5	
Base Charge	PETN	
Net Explosive Quantity (g)	0.8	0.24
Strength	No.8D	No.4D
Lead Colour	Yellow	Red
Tensile Strength (N)	>196	
Temperature Range (use) °C	-20/+50	
Shelf Life	2 years	
UN Number	UN0360	
UN Description	1.1B	
UN Class/ Compatibility Group	Detonator Assemblies, Non-Electric for Blasting	
CE Mark	ENB/D/152/16	

Product Type	Non-electric Detonators	
Product Name	Euronel 2 Tunnel	Euronel 2 Duo
Detonator Shell	Aluminium	
Length (mm)	91 - 95	83 - 99
Diameter (mm)	7.5	
Base Charge	PETN	
Net Explosive Quantity (g)	0.8	0.8 / 0.24
Strength	No.8D	No. 8D / No. 4D
Lead Colour	Yellow	
Tensile Strength	>196N	
Temperature Range (use) °C	-20/+50	
Shelf Life	2 years	
UN Number	UN0360	
UN Description	1.1B	
UN Class/ Compatibility Group	Detonator Assemblies, Non-Electric for Blasting	
CE Mark	ENB/D/152/16	

## Euronel 2 Range & Packaging

### In-hole Detonators

Tube length in metres	1.1B Packaging	
	Qty/per bag	Qty/box
6.0	10	100
7.8	10	100
10.2	10	70
12.0	10	50
15.0	10	50
18.0	5	40
21.0	5	30
24.0	5	25
27.0	5	25

### Connector Detonators

Tube length in metres	1.1B Packaging	
	Qty/per bag	Qty/box
4.8	10	100
6.0	10	80
7.8	10	70
9.0	10	60

### Tunnel Detonators

Tube length in metres	1.1B Packaging	
	Qty/per bag	Qty/box
4.8	10	100
6.0	10	100
7.8	10	100
10.2	10	70
12	10	70

### Starter lines

Tube length in metres	1.1B Packaging	
	Qty/per bag	Qty/box
30	4	20
50	2	10
100	1	5

### Duo Detonators

Tube length in metres	1.1B Packaging	
	Qty/per bag	Qty/box
4.8	10	90
6.0	10	80
7.8	10	70
9.0	10	50
10.2	10	50
12.0	10	50

Surface connectors are available  
in time delays as follows:

Nominal Delay in ms	Colour of block
0	Green
17	Yellow
25	Red
33	Purple
42	White
67	Blue
109	Grey



Other lead lengths can be supplied by special request.

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TERMS AND CONDITIONS: "The products and services that we supply to you are sold subject to our standard Terms and Conditions of Supply and any other Special Conditions that we notify to you. Copies of these conditions are available on request."

The information contained in this leaflet is given without warranty and cannot cover all conditions of use. Users should undertake their own tests to ensure the suitability of the products for their own particular application.

