

# COMMERCIAL EXPLOSIVES (INDIA) PRIVATE LIMITED

## ABOUT THE COMPANY

Commercial Explosives (India) Pvt. Ltd. is the pioneer of safety fuse manufacturing in India. The company was originally formed in 1942 and has since then grown to have a pan-India presence. It has also developed as the leading exporter of safety fuse having buyers in Europe, South East Asia, South America & Africa.

The manufacturing, administrative & quality control system of Commercial Explosives are based on the globally recognized ISO 9001-2008 standards. The poly-coated safety fuse manufactured by Commercial Explosives is available with CE certification.

## ABOUT SAFETY FUSE

Safety Fuse is a medium for conveying flame at a slow & uniform rate to initiate an explosion in either a charge of gunpowder (black powder) or a plain detonator. It provides the time delay required for the blaster to reach the cover of safety before the actual explosion takes place.

A safety fuse consists of a gunpowder core in a tube formed by jute yarn, which is covered with layers of bitumen (asphaltum), and has an outer wrapper of tough yarn or polymer. It is made in a standard diameter designed to be crimped into blasting caps (Detonators). Safety fuse is manufactured with a specified burn time per meter, e.g. 115 seconds, which means that a length of fuse 100 cm long will take around 115 seconds to burn.

### BENEFITS

- Easy Availability
- Economical
- Simple Operation
- Suitable for All Weather Conditions

### USES

- Stone / Mettle Quarries
- Open Cast Mines
- Secondary Blasting
- Well Sinking & Deepening
- Shock Tube Pattern Initiation



COMMERCIAL EXPLOSIVES (INDIA) PRIVATE LIMITED

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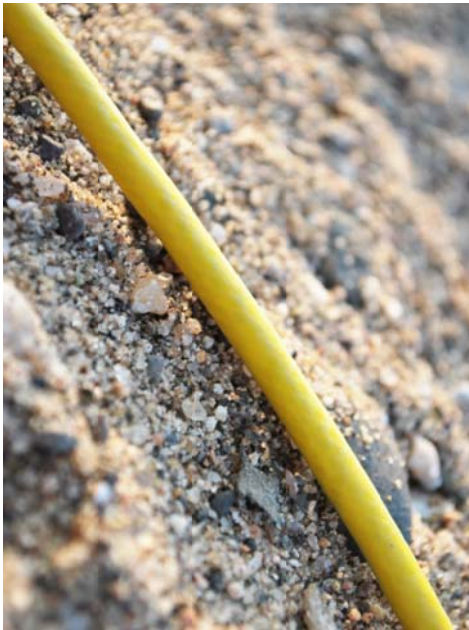
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TIGER BRAND



## ▶ Specifications

### BWP

**Construction :** Two alternating layers of jute and bitumen surround the train of gunpowder which is then lined with polythene tape and a top layer of colour is added.

<b>Diameter</b>	4.7 millimeters $\pm$ 0.1	<b>Lateral Transmission of Flame</b>	Absent
<b>Burning Speed</b>	115 seconds per meter $\pm$ 10%	<b>Standard Colour</b>	Blue
<b>Core Load</b>	4.5 grams per meter $\pm$ 10 %	<b>Minimum Tensile Strength</b>	15 Kilograms
<b>Gap Sensitivity</b>	3.0 centimeters minimum	<b>Use</b>	Dry, Damp & Moist Locations

### PACKING DETAILS

Coil Length	Pieces Per Box	Quantity (Meters) Per Box	Gross Weight (Approx.)
7.32 Meters	75	549	12 Kilograms
10 Meters	50	500	11 Kilograms

### POLYCOATED

**Construction :** One layer of jute and bitumen, surround the train of gunpowder which is then lined with kraft paper and a top layer of polymer is added for water proofing.

<b>Diameter</b>	5.0 millimeters $\pm$ 0.1	<b>Lateral Transmission of Flame</b>	Absent
<b>Burning Speed</b>	(*) 115 seconds per Meter $\pm$ 10%	<b>Standard Colour</b>	Red / Yellow (or as per the users requirement)
<b>Core Load</b>	5.0 grams per meter $\pm$ 10 %	<b>Minimum Tensile Strength</b>	30 Kilograms
<b>Gap Sensitivity</b>	3.0 centimeters minimum	<b>Use</b>	Wet Locations

(\*) Other timings can be made as per users requirements

### PACKING DETAILS

Coil Length	Packing	Quantity (Meters) Per Box	For more information about the weight and dimensions of boxes, please contact the Export Department of Commercial Explosives (India).
10 Meters	50 Pieces	500	
1000 Meters	1 Spool	1000	
250 Meters	4 Spools	1000	

### CLASSIFICATIONS

UN No.	IMDG Class & Division	IER 2008 Class	IER 2008 Division	IER 2008 Safety Distance Category
0105	1.4 S	6	1	X

**SAFETY WARNING** Before using product carefully read the Safety Instruction Manual included in the package, as well as the Safety Data Sheet. This product is not fit to be used in environments with flammable gases.

**LEGAL NOTICE AND DISCLAIMER :** The information given in this data sheet is subject to variations depending on the conditions of conservation and use of products and external factors such as temperature, humidity, pressure, among others. It cannot possibly cover every application of the product nor every condition under which the product is used, the purchasers should make their own assessment to determine the suitability of the product and applicability for their particular purpose in the specific context. Explosive materials are dangerous and must be stored / handled as per approved regulations and safety procedures under competent supervision. The manufacturer does not make any warranty of any kind, expressed or implied, other than those implied mandatorily by State legislation. In no event shall the manufacturer be liable for consequential damages, expenses or losses. Products are in the process of continuous development and their specifications and packing are subject to change without notice. This documentation is not contractual and content delivery can not be considered as an offer of contract. By virtue of this document Commercial Explosives (India) claims no obligation with third parties, nor any security responsibilities.