



suppliers of passive fire products, acoustic and specialist insulation  
manufacturers of the Safire Fire Stopping Range

## Material Safety Data Sheet

### MULTICOAT

Revision:

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Contents:

Material Safety Data  
Overview

Company/undertaking identification:

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The following information is believed to be accurate at the time of preparation of this document, and is provided in good faith. However, no warranty or representation with respect to such information is intended or given.

### Section 1: Identification of the Substance/Preparation

Product: Multicoat

Product Type: Fire resistant, flexible, water-based ablative coating

Application: Coating for Barriers and used to touch up gaps, coat cables and pipes in the Barrier system.

### Section 2: Composition/Information on Ingredients

Ingredients: Synthetic polymer emulsion (eg. of polyvinyl acetate, polyvinyl acrylates etc) and/or natural rubber latex and may include inorganic fillers.

NO hazardous components

### Section 3: Hazards Identification

Health Hazards

Chronic: None known

Acute: Mild skin irritation may occur

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#### **Section 4: First-Aid Measures**

Eye Contact: Rinse with plenty of fresh water and seek medical attention.

Skin Contact: Thoroughly wash affected parts with soap and water. Seek medical advice if symptoms develop.

Inhalation: Immediate medical assistance required.

Ingestion: Do not induce nausea. Immediate medical attention required.

#### **Section 5: Fire-Fighting Measures**

Extinguishing Media: Not applicable

Protective Measures: Not applicable

Fire & Explosion Hazards: None

#### **Section 6: Accidental Release Measures**

Contain spillage with sand or earth so as to prevent entry into drains or water courses. Treat sand or mineral absorbent, gather up and dispose of in an approved manner e.g. to landfill site. Any residue may be hosed away using a copious quantity of water.

Waste management: an approved contractor should dispose of contaminated product.

#### **Section 7: Handling and Storage**

##### 7.1. Handling

Precautions: Avoid prolonged contact, namely with the skin.

##### 7.2. Storage

Precautions: Store in a dry location between 5-30°C, out of direct sunlight.

Special storage:

protect from freezing.

#### **Section 8: Exposure Controls/Personal Protection**

##### 8.1 Exposure Controls

Occupational Exposure Limit: None

Engineering Measures: Ensure adequate ventilation in the working environment.

##### 8.2 Personal

Respiratory Protection: None

Skin, Eyes, Other: Wear impervious gloves (eg. PVC), goggles and standard protective overalls.

#### **Section 9: Physical and Chemical Properties**

Appearance: A viscous, aqueous liquid

Odour, Flash Point: None

Solubility: Insoluble in water

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## **Section 10 Stability and Reactivity**

Stability: Stable

Conditions to avoid: None

Incompatibility: No materials to avoid known

Hazardous Decomposition

Products: Not applicable

## **Section 11: Toxicological Information**

Acute Effects: Mild irritation to the eyes and skin is possible

Chronic Effects: None known

## **Section 12: Ecological Information**

Not expected to cause harm to animals, fish or plants

## **Section 13: Disposal Considerations**

Waste products should be disposed of in accordance with local regulations.

## **Section 14: Transport Information**

No special precautions or restrictions involving transport or conveyance of Multicoat are known to LFT.

Proper Shipping Name: Multicoat

## **Section 15: Regulatory Information**

No hazard symbol or risk phrase.

## **Section 16: References**

Guidance Note EH 40 '89 from the Health & Safety Executive – Occupational Exposure Limits 1989

Approved Code of Practice COP29: Control of Substances Hazardous to Health: Control of Carcinogenic Substances Hazardous to Health Regulations 1988.

Document HS G 27 from Health & Safety Executive – substances for use at work etc. the provision of information

Health & Safety at Work etc Act 1974 as amended by the Consumer Protection Act 1987

Control of Substances Hazardous to Health (COHH) Regulations 1988

## **Overview**

- Multicoat is a co-polymer water based coating designed to provide flexible protection to electrical and data/communication cables.
- Multicoat is also used as a flexible fire resistant tough waterproof skin for mineral wool penetration seals.

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- Halogen free
- Flexible
- Waterproof
- Encapsulation of Mineral Fibre
- Maintains circuit integrity
- Does not de rate cable
- Stops flame propagation
- Spray or trowel/brush
- Class 'O'

### Usage

Power cables in cables tunnels eg. Power Stations, hospitals etc.

Datex cables in horizontal and vertical service shafts e.g. Computer centres  
airports.

Telecommunication cables in horizontal and vertical service shafts e.g. Office  
blocks, institutions and hotels.

As an encapsulant for mineral fibre penetration seals.

An encapsulant for asbestos cladding, sheeting or insulation.

### Reasons

Waterproof – Suitable for internal and external application.

Flexibility - Elastomeric polymers enable Multicoat to withstand moderate  
movement of cables without  
splitting.

Prevents Propagation –Restricting the spread of flame and the release of toxic  
and acidic gasses normally  
associated with fires involving PVC insulated cables.

Retains Circuit Integrity – For short term continuity of critical cables and  
controls, even when exposed to  
intense flame impingement.

Does not reduce – Current carrying capacity of cables.

Versatile – Can be applied by brush/trowel or air assisted spray.

### How to specify

Total Protection – of cables up to 30 minutes may be achieved by complete  
encapsulation of the cables.

Fire Spread – along horizontal cables may be effectively controlled by coating  
a length of 1.5 metres in every  
15m.

Fire Spread – along vertical cables may be effectively controlled by coating a  
length of 2 metres in every 20m  
run.

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### Typical specification

Apply Multicoat to cables 'x' linear metres in every 'x' linear metres at a dry film thickness of 2mm in full accordance with manufacturers instructions.  
Totally encapsulate cables with Multicoat to a dry film thickness of 2mm in full accordance with manufacturers instructions.

Manufactured by: Fireus Limited

### How to calculate quantity required

#### **Cables**

Recommended Thickness:

Wet film thickness of 3mm - resulting in DFT of 2mm

Coverage:

2.8 l/m<sup>2</sup> on level surfaces. For grouped cables, cable trays etc allow approx 30% more material

#### **Mineral Fibre Batt**

Recommended Thickness:

Wet film thickness of 2mm is required to achieve DFT of 1mm.

Coverage:

Approx 1.4l/m<sup>2</sup> to achieve required thickness

### Site Services

A full design, advice and support service is offered to architects, specifiers and contractors ensuring trouble free installation.

### Technical specification

Composition Water based co-polymer acrylic

Colour: White (other colours available)

Viscosity: Brush, trowel and sprayable

Density: Typical value 1.35

Ph Value: Approx 9

Solids: Approx 60%

Toxicity: Non toxic

Storage: Temp 5 – 30°C

Shelf Life: In closed original container at least one year

Packaged: 15L plastic buckets

Drying time: 2 – 4 hours touch dry

Clean Up: Any tools should be cleaned with water immediately after use.

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