

BRITCHEM FR34 CI CABLE COATING

DESCRIPTION

BritChem FR34 CI Cable Coating is a water based fire resistant flexible ablative coating for use primarily in internal applications where there is a need to upgrade the fire resistance of electrical power and command cables. The coating dries quickly, provides a durable finish and has been shown to have good weathering characteristics. It is easily applied by airless spray, trowel or brush.

SPECIFICATION COMPLIANCE

The product has been independently tested to the requirements of IEC 60331-11/-21 1999 for circuit integrity of electrical cable under fire conditions. The test installation gave greater than 120 minutes circuit integrity. (Exova Warrington test report 323836).

APPLICATIONS

- Protection of long cable runs in industrial buildings.
- Protection of cables subject to risk of accidental ignition (e.g. foundries).
- Upgrading the fire resistance of emergency command cabling.

CHARACTERISTICS

- Minimal 1.6mm dry coating thickness. A dry film thickness of 3.6mm was used to achieve 2 hours circuit integrity.
- Waterborne for easy application and cleaning equipment.
- Application by spray or brush.
- Remains flexible once cured.
- Non-toxic. Halogen free.
- Mould resistant.
- Excellent adhesion to cables and associated supports.
- Good mechanical strength and crack resistance.

LIMITATIONS

BritChem FR34 CI Cable Coating is not suitable for areas of constant water immersion. It is the user's responsibility to determine suitability of use. A sample test should be made before use.

TECHNICAL DETAILS

Tack free time:	Approx. 60 minutes depending on temperature and humidity.
Drying time:	< 8 hours for a 2mm thick film at 65% RH and 20°C.
Temperature resistance:	-20°C to +80°C
Paintability:	With most paints.
Application temperature:	+5°C to 40°C
Cleaning:	Uncured sealant with water.
Shelf life:	Min. 12 months when stored in unopened containers as recommended.
Specific gravity:	1.45 - 1.50
Colour:	White - other colours subject to minimum quantity.

APPLICATION INSTRUCTIONS

All surfaces must be clean, dust and frost free.
Apply the coating by airless spray or brush to achieve a minimum mean dry film thickness of 1.6mm. This can be achieved in a single coat.
Normal, industrial paint spray application equipment works very well - a GRACO airless spray machine for example. With bunches of cables on ladders or trays it's normal to recommend spraying the ladder/tray (including 'underneath') as well as the cables and aim to use 30% more than the theoretical surface area calculated.

METHOD	AIRLESS SPRAY
Operating Fluid Pressure	2500-3000 psi
Tip Size	19 - 25 thou
Fan Angle	20° - 40°
Hose Diameter	10 mm i.d.
Hose Length	Max. 60 metres

Clean application equipment and tools using warm water.



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COVERAGE

Approx. 0.4 sq. metres/litre at a wet thickness of 2.5 mm will give a dry film of 1.6mm.

STORAGE

Store in cool dry conditions. **PROTECT FROM FROST.**

AVAILABLE PACK SIZES

BritChem FR34 CI Cable Coating can be supplied in 15 and 19 litre pails or 200 litre open top drums.

HEALTH AND SAFETY

Safety Data Sheets (SDS) available upon request. The SDS provides information and advice on the safe handling, storage, disposal of chemical products, physical and other safety-related data.

KEEP AWAY FROM CHILDREN AND ANIMALS.

FURTHER INFORMATION

The information given in this product data sheet is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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