

PRODUCT DESCRIPTION

FCC™ fireproof coating for wires and cables is designed with advanced intumescent technology. It is a robust intumescent coating meant for indoor and outdoor uses, effectively stopping the spread of flames. In the event of a fire, the coating quickly expands to create a foam layer that halts fire propagation. This water-based, asbestos-free, and non-halogenated coating is also environmentally friendly. FCC™ can shield cables for up to 90 minutes at temperatures reaching 1,100°C.

PRODUCT FEATURES

- Smooth and Easy to Machine
- Intumescent
- Water Based
- Low Odor
- Asbestos Free
- Flexible
- Safe and Easy to Use

PRODUCT USES

- Electrical cables in industrial, commercial, and residential buildings
- Communication and telecommunication cables
- Protecting cables near furnaces, fuel storage, and high fire-risk areas
- Metallic pipes
- Cable tray
- Plastic pipes
- Insulated pipes

TECHNICAL DATA

Color	White
Density	1.3±0.1 kg/L
PH	7.5±0.5
Storage temperature	5 - 35° C
Drying time (25° C)	3-4 Hours
Application temperature	5 - 30° C
Tensile strength	25 MPA
Shelf life	12 months

HOW TO USE

SURFACE PREPARATION

The cable surface must be thoroughly cleaned of dust, dirt, oil, and any loose material. Use a dry rag to remove any oil, grease, and dirt prior to cable coating application. Any holes and cracks should be repaired beforehand to ensure a smooth application. As well as that, the use of a primer on cables can help to smooth the surface and enhance the performance of the coating.

APPLICATION

Mix FCC™ cable coating thoroughly by a power agitator before application. Thinner is normally not required. If necessary, use potable water (3% max.) to adjust viscosity. Water is also used for tools and spray machine cleaning. Coating can be applied by



Fire-Retardant Cable Coating - FCC™

means of airless spray equipment. Initially, a thin layer is sprayed, and after 15 minutes of stabilization, the next layer is applied. This process continues until the final thickness of 3 mm is reached, though for larger cable bundles, the thickness may be increased to 4.5 mm. The thickness of the coating is controlled based on the cable type and project requirements. Each layer has a designated drying time, allowing subsequent layers to be applied after a few hours. Once fully dry, typically after 4 days, the coating undergoes quality inspection and testing to ensure proper application.

STORAGE

Store in a cool, dry and well-ventilated place away from direct sunlight. Keep away from food. Store away from incompatible materials. Keep away from heat and sources of ignition. Leave the container upright. Keep container closed when not in use - check regularly for spills.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory. The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.