

FIRE PROTECTION COATING FOR CABLES



Tab 19

FIRE PROTECTION COATING FOR CABLE

Item Code	Packaging	Tests
DSSB-FR-FRP25-FS15	25kg/Pail	FM Approval Class:3971 IEC 60332-3-22 : Category A IEEE 1202 IEEE 383

Feature:

- Water base material
- Non-Halogenated
- Asbestos Free
- High Solids
- Remain Flexible After Cured
- No cable derating
- Water resistant
- Interior and exterior application
- FM approved



Application:

DC 6150 Cable Coating is a non-halogenated, asbestos-free, non-toxic, flexible, ablative fire retardant cable coating designed to prevent the propagation of fire along plastic jacketed electrical cables. DC 6150 Cable Coating is FM Approved and tested to ensure it can withstand extreme conditions such as freeze/thaw cycles and salt water immersion. This testing also ensures that the protective coating does not de-rate the cables current carrying capacity. DC 6150 Cable Coating is a water based latex and is suitable for both interior and exterior use.

Performance:

When applied to dry film thickness of 1.6mm Cable Coating meets FM (Factory Manual) approval requirements for the protection of grouped electrical cables.

Feature & Application:

- Color: White
- Odor: Mild Latex
- Gloss Level: Matt
- Specific Gravity: 1.55 ± 0.1
- Solids by Weight: 70~76%
- pH Value: 6 ~ 8
- VOC's: 28 g/L
- Dry to Touch: 2 ~ 4 hours
- Dry Through: 2 ~ 4 days (Depending on ambient conditions)
- Application: Airless spray, brush or roller
- In-Service Temp: -13° F – 176° F (-25° C – 80° C)
- Typical Thickness: 1000 microns WFT (39.5 mils) equivalent
- Packaging: 25Kg/pail
- Shelf life: 12 months



Cable Fire Protection Coating

FIRESTOP COMPOUND

Item Code	Weight
DSSB-FR-CFS01	20kg / Bag

Product Description :

CFS01 Mortar is a proprietary non-intumescent compound comprised of gypsum and cement. Developed with installation convenience in mind, INCA Mortar softens once mixed with water and becomes easy to work with. Our variable viscosity technology allows the installer to add less water for a thicker consistency or more water for a thinner consistency depending on your application needs. INCA Mortar has up to 3 hours fire rating to prevent passage of flame, smoke, and toxic fumes.

Application

- Metallic Pipes
- Cable Tray
- Plastic Pipes
- Insulated Pipes
- Busway

Features:

- Non-Shrinking
- Paintable
- Fast drying
- Safe and simple to use
- Halogen and asbestos
- Water and gas
- Good structure
- Adjustable consistency



Characteristics

- Mixing ratio (by weight) : Mortar:Water = 1:0.85~0.95 (Recommended)
- Yield(per 20Kg) : 22-25L
- Mixing time : 30~40 Sec.
- Working time : 3 min.
- Density (after mixing) : 1400-1650 kg/m³ (Wet cast)
- Set hard time : Approx. 3~4 hours.
- Time to remove shuttering: 2 days (if needed)
- Fully cured : 28 days
- Application : Sealing floor openings
- Package : 20 Kgs/Bag

Tested to :

- UL1479,3hrs T and L Rating
- Can/ULC S115 3hrs,FTH Rating
- GB23864



FIRESTOP PANEL AND FR COATING BATT

Item Code	Size	Fire Rating	Colour
DSSB-FP-FSP	1200mm x 600mm x 50mm	up to 4 hours	White
DSSB-FP-FRCB	1200mm x 600mm x 50mm	up to 2 hours	White

Product Description

Our Firestop Panels and FR Coating Batt are high-density rockwool used with a fire-rated ablative coating. The panel or FR Coating Batt are simply cut and friction fitted between the services and the edges of the structure. The fire rated coating is used as an adhesive to bond sections of panel or FR Coating Batt together into a barrier and to the surrounding structure. All joints in the panel or FR Coating Batt are seal using Intumescent Sealant to form a monolithic layer.

Product Features and Application

- Up to 2 or 4 hours of fire rating.
- Simple installation.
- Lightweight.
- Maintenance Free.
- Resist the passage of smoke.
- Suitable to make good around most types of service penetrations.



Tested To:

- BS 476 Pt. 20:1987



Cable Fire Protection Coating

FIRE BARRIER SILICONE SEALANT

Item Code	Weight/Packaging
DSSB-FR-INSS2460-TUBE	310ml/Tube
DSSB-FR-INSS2460-SAUSAGE	20fl.Oz/Sausage
DSSB-FR-INSS2460-PAIL	25kg/Pail

Product Description

Our INSS2460 Fire Barrier Silicone Sealant is a ready-to-use, gun-grade, one-component silicone elastomer. INSS2460 is used to seal joint system and the gaps of various through penetrations with 3 hours fire rating, which are needed to stop spread of fire, smoke and toxic gas during the fire conditions. When INSS2460 is exposed to 1×10^6 Gy (1×10^8 rad) neutron and gamma radiation unit, it can still perform good firestop function.

Application

- Isolation joints in the closing buildings.
- Gaps on partition of fire-rated walls.
- Gaps on through-penetration pipes.
- Fire Rated Door.

Characteristic:

- Excellent resistance to fire consumption, become a solid char after burned.
- Without halogen and asbestos.
- One-component, gun-grade, ready for use; easy installation.
- Good adhesion with different building substrates.
- Available for interior and exterior through-penetrations.
- Flexible, low shrinkage.
- Good in airtight.



Product Specification

Density	1.3 ±0.1 g/cm ³
Tack-free time	Approx. 30 min.
Time for full cured	7 ~ 14 days
Hardness (full cured)	SHORE A 30 ~ 40°
STC Rating(ASTM E90)	64 (per construction type)
Storage temp.	10 ~ 30

Tested To:

- UL1479 up to 3 hrs, T, and L Rating
- ULC S115 up to 3 hrs, FTH Rating
- FM approved
- CNS 14514 up to 3 hrs, Class A and B
- GB23864
- ASTM E 84
- ASTM E662

INSS2460 +

- UL1479,3 hrs
- ULC S115 up to 3hrs,FTH Rating



Cable Fire Protection Coating

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www.substation.com.my

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for the latest information please call us on (+603) 9281 3778
or visit our website at: www.substation.com.my