

PRODUCT NAME : AMEETUFF TABLE FIREGUARD

Type	: No - Instrument subliming, endothermic
Characters	: Halogen free
Heat Reaction	: Endothermic, subliming
Nature	: Thixotropic
Toxicity	: Asbestos Free, Free of Serpentine group of components
Density	: 1.25 (nominal)
Viscosity	: 3 minute by ford cup by
Application	: Conforms to IS: 12459
Flame Spread, Ignitability & Combustion	: Complies with BS;476/6 & 7
Limiting Oxygen Index	: 28 Nominal
Application Method	: Brush / spray / roller / spatuala
Drying Time	: Touch Dry : 24 hrs, Head Dry : 72 hrs
Curing	: Not applicable
Dry Thickness	: 1.6mm
Nos. of coats Time	: 1 skin coat + 5-6 coats with inbetween drying
Application	: Horizontal runs: 3m with at intervals of 3m each, Vertical runs: Enter length
Measurement	For the purpose of payment the installment work shall be measured as under:

- Single cables : IID x length (D is the outer dia of the cable before coating)
- : • Cable Bundle : : IID x length x 1.2 (D is the periphery of the cable bundle and of the cable tray. This is usually measured by measuribg the circumference around the bundle. 1.2 is the measurement factor the compensats for daylight surfaces)

PRODUCT NAME : AMEETUFF FIRE RESISTANT (Cable Coating Compound)

Statistically, root cause of most fire disaster is short circuit. Protection of power cable is of utmost importance to prevent spread of fire, as well as to maintain power supply for maximum possible time, to ensure safe evacuation of people and to let fire fighting activity continue effectively.

AREA OF PROTECTION

- Protection for cable: survivability upto 30mins.
- Protection for wood: B-15 & B-310 rating, IS 162 : 1950.
- Protection for substrates from external fire source.
- As an industrial safety for oxygen, acetylene pipelines. Electrical Cables

MERITS

- **Automatic fire-fighting mechanism** – The efficiency of most fire-fighting measures depend of the skill of the human operating it. **Ameetuff Fire Resistant Cable coating Compound** controls fire automatically without relying on human intervention.
- **No smoke propagation** – Smoke emission is the most fundamental parameter with regard to saving lives as smoke is the single largest killer in fire situations. **Ameetuff Fire Resistant Cable coating Compound** does not contribute to smoke propagation.
- **Non-toxic** – Deadly gases can overcome us in seconds. **Ameetuff Fire Resistant Cable coating Compound** does not develop toxic gases upon intumescences as it is halogen free.
- **Compatible with existing installations** – **Ameetuff Fire Resistant Cable coating Compound** Works effectively with the existing cable installations. Existing cables need not be replaced with expensive fire-rate cables.
- **Circuit Integrity** – Remains intact for a period of at least 30minutes. This means that the electrical cables coated with **Ameetuff Fire Resistant Cable coating Compound** are able to carry current for a period of at least 30 minutes when exposed to fire. This has tremendous implications for fire-fighting and evacuation of people in fire situations.

PHYSICAL PROPERTIES

Color : Off white
Flexibility IS : 101 : Flexible
pH value : 6 to 8
Viscosity : Brushable
Specify Gravity (IS : 101 cup) : 1.26 – 1.27
Adhesion to Cable : Excellent
Solid Content (by % of weight) : 70%
Water Resistance : Excellent
Application : By Brush
Acid & Alkali Resistance for Short Time Exposure: Good
Drying time : Touch dry 5 - 6
Resistance to Diesel Oil : Good

IEC - 331 : INSULATION INTEGRITY TEST OF CABLE UNDER FIRE CONDITION

Observation : Integrity unaffected for 30 min. (minimum).

IEC - 332/1 : VERTICAL FLAME TEST FOR SINGLE CABLE

Observation :

Coating Thickness (mm)	Wt of Specimen (gm)	Time of Exposure (sec.)	Length of Unaffected Portion(mm)	Charred Length (mm)	Affected PVC Portion
1.52	650	86	350	125	NIL

IEEE - 383 : VERTICAL FLAME TEST FOR CABLE BUNCH

Affected averaged (charred length of different cables noted during IEEE=383 evaluation on cables coated with **Ameetuff Fire Resistant Cable coating Compound**

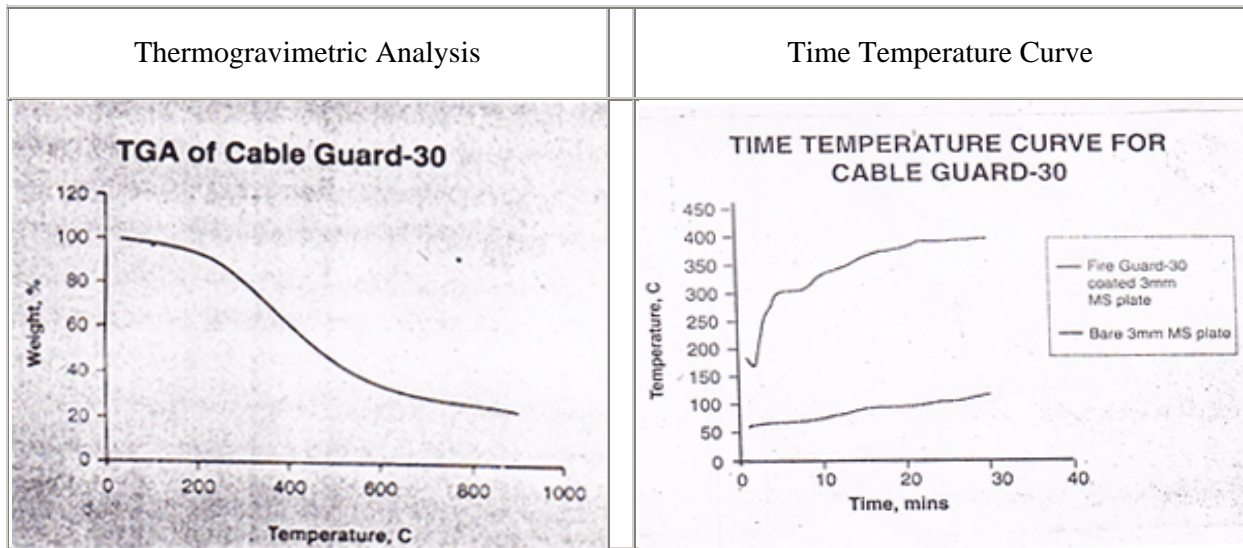
Affected Averaged (Charred) Length of Different Cables (mm)

C1	C2	C3	C4	C5	C6	C7
NIL	165	270	265	248	40	NIL

Remark :

No Flame Propagation noted on Cables Coated with AMEETUFF FIRE RESISTANT CABLE COATING COMPOUND during and after burning of the burlap igniter. However, Intumescences in Coating Observer.

Limiting Oxygen Index (LOI) LOI > 100



Ameetuff Fire Resistant Cable coating Compound strengthens the Fire Safety of your organization inexpensively. It offers substantial savings because of its compatibility with existing installations, economic application, zero expenditure on employee training and negligible maintenance costs.

POWERFUL FEATURES FOR GREATER SAFETY

- **Instrument** : When exposed to fire, a chemical mechanism is activated causing the coating to swell or intumesce. This reaction then forms a carbonaceous crust which gives thermal insulation and flame protection to the underlying cables thus retarding the propagation of fire.
 - **A wholly water based system** : Contains no harmful solvents. Is free from fire hazards during storage and application. Environment friendly.
 - **Zero Halogen rated** : Completely free from all halogens.
 - **Negligible smoke emission** : A low smoke coating.
 - **Easy application** : By brush or by spray.
 - **International testing Standards**
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