VIJAY
Systems Engineers

DOCUMENT NO. CAT/AMC/R5/26

ACE MASTIK COATING

FIRE RETARDANT COATING COMPOUND
Prevents the Spread of Fire

(VSCC000AB)

PRODUCT DESCRIPTION

Ace Mastik is a water-based and solvent-free thixotropic coating comprising of thermoplastic resins, flame-retardant chemicals, fillers and pigments.

Ace Mastik is an ablative product which, in case of fire, undergoes an endothermic reaction which reduces the burning rate and spread of fire. In addition to its other properties, Ace Mastik is also free of asbestos and halogen.

SPECIAL FEATURES:

- FM approved, tested as per FM 3971 Standards
- Non hygroscopic, it does not retain moisture and is not effected by humidity. It remains effective even after prolonged outdoor use
- No disintegration or deterioration of pating when subjected to 1% salt water test for a 30 day period with water temp. at 66°
- No ageing effect. Coating lasts for the lifetime of cables
- Provides anti-rodent protection
- Resistant to mineral oil. It can retain its physical & chemical composition if exposed to or immersed in mineral oil for up to 48 hours
- Highly flexibile. It can bend 6 times the diameter of cable and not crack or peel
- No top coat required for outdoor application
- Ampacity no de-rating of cable due to coating
- Not effected by radiation. Suitable in radiation areas, ideal for nuclear power plants and atomic energy plants
- Can be applied by brush or airless spray



SPECIFICATIONS

PROPERTY	PRESENT VALUE
Density	1.25 to 1.40 gms./cm^2
Application Temperature	5°C to 50°C
Packaging	In Plastic Drums/Buckets of 10, 20 & 60 Kgs
Storage Temperature	Max 50°C, must be protected from freezing
Ph Value	6 to 8
Recommended Thickness	1.6mm Minimum
Thinning	By water
L.O.I.	>80%
Toxicity	Non-Toxic
Touch Dry	4-6 hours

TESTED IN ACCORDANCE WITH FM CLASS 3971:2021 , IEEE 383-2022, IEC 60754 (Pt-1), IEC 60331 - Pt.11, IEC 60331 -Pt.21,IEC 60332-Pt.3 Cat A, NES 713-2013

FM APPROVED

"Subject to the conditions of Approval as a Wall Penetration Fire Stop when installed as described in the Approvals Guide, an online resource of FM Approvals"