

PRODUCT DATA

PRODUCT NAME: AK 312

PRODUCT DESCRIPTION: Water Based, fire Resistant compound .

PHYSICAL DATA

Color: Off white

Viscosity: Thick flowing Liquid app. 30,000 Mega Pascal

Specific Gravity: 1.1

Ph Value: 7.6

Solid Contents: 70%

Odor: Odor less

Limiting Oxygen Index: Over 70

Storage Temperature: Store in shade (5-30 Degree C)

Shelf Life: One year at room temperature

Recommended D.F.T. : 2mm

Minimum Packing: 20kg

Coverage: 3 kg per Sq. Mt. For 2 mm Dry film thickness

Cleaning of Surface & Thinner: Water

Drying Time:

Touch Dry: 2 hours

Hard Dry : 24 hours

Complete Curing: 7 days(at 25 degree C, 65%RH)

Fire Survival IEC-331: Meets the requirement for the limited period of 20 minute

RESISTANCE GUIDE

Fire Propagation : Nil Passes the test as per IEEE-383.

Fire Survival : 30 Minutes Passes the test as per IEC-331.

Acid : No effect (5 % HCl)

Alkali : No effect (5 % NaOH)

Water : No effect (40 degree C 7 days)

Ampacity : No affected up to recommended thickness of 2 mm.

SURFACE PREPARATION

Remove grease, oil, coal dust and other contaminants from the cable trays and clean the tray thoroughly before applying AK-312.

HEALTH & SAFETY

All work involving the application and use of this product should be performed in compliance with all relevant National Health, Safety & Environmental standards and regulations.. Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependant on application methods and work environment.

APPLICATION METHOD

Stir AK-312 thoroughly. Add clean water into the paint as required, depending on application method, and stir thoroughly for few minutes. The temperature of the substrate should be minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure correct drying. All equipments used for above should be properly cleaned.

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with clean water. Clean all equipments immediately after use with water . It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.

Application:

By Brush/By Airless Spray

Nozzle Orifice: Air less spray 0.58 mm

Nozzle Pressure: Airless Spray 1400-1800 p.s.i.

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet contact us.

NOTES

1. Do not apply AK-312 when temperature falls below 10°C or rises above 50°C and when Relative Humidity is above 85%, Do not apply during rain, fog, or mist.
2. Brushes and spray equipment should be cleaned with recommended thinner otherwise equipment is liable to damage.

DISCLAIMER

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