

PRODUCT DATA

PRODUCT NAME: AK 414

PRODUCT DESCRIPTION: Water based Fire Resistant top coat

RECOMMENDED USE: Applied on doors, windows, wall paneling, false ceilings, and fiber board tiles to render them fire resistant to class 1 surface spread of flame as per BS-476 part 7.

PHYSICAL DATA

COLOUR: White/off white

FINISH Glossy/Semi glossy

COVERAGE :

Soft Wood -3Sq mtr/Ltr

Plywood, Particle Boards etc-3.5 Sq mtr/Ltr

Hard Wood, Teak Wood- 4.0 Sq mtr/Ltr

Fiber insulation board, Plaster board, Gypsum board-6.0Sq mtr./Ltr.

DRYING CHARACTERISTICS :

Touch dry: 2Hours

Hard dry: 8 Hours

Full cure: 7 Days

(At 30 degree C and 65% Relative humidity)

SHELF LIFE: One year at room temperature

APPLICATION By Brush / By spray

THINNER: Clean Water

RECOMMENDED DFT: 60microns per coat

OVERCOATING INTERVAL MIN: 8 hours; MAX: 24 hours

If exceeds, the surface should be roughened by emery scuffing.

COMPATIBILITY Applied over fire resistant Primer AK-405.

RESISTANCE GUIDE

Fire : Meets the requirements of BS-476 part 6 & 7, IS-163 and ASTM 1360.

Acid : No effect (5 % HCl)

Alkali : No effect (5 % NaOH)

Water : No effect (40 degree C 7 days)

Termite : 1 coat of FR Primer AK – 405 and 2 coats of AK-414 on termite affected area kills all the termites.

SURFACE PREPARATION

Clean the surface thoroughly of dust and water before applying FR primer and paint.

HEALTH & SAFETY

The product is water based and hence no special safety measures are required other than ordinary painting methods.

APPLICATION METHOD

Stir the paint thoroughly to attain homogeneity. Add clean water into the paint as required, depending on application method, and stir thoroughly for few minutes. Strain the paint through Nylon filter cloth of 400 mesh size and apply uniformly over the surface. 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.

ADDITIONAL INFORMATION

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

NOTES

1. Do not apply paint 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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