

## PRODUCT DATA

**PRODUCT NAME: AK 405**

**PRODUCT DESCRIPTION:** Water based Fire Resistant Primer

### RECOMMENDED USE:

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

### PHYSICAL DATA

#### 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:** Water

**RECOMMENDED DFT:** 75 microns per coat

**OVERCOATING INTERVAL** MIN: 8 hours; MAX: 24 hours

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

**COMPATIBILITY:** Compatible with AK-414.

### 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 – 402 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**

This is water based primer and as such no precautions are necessary.

## **APPLICATION METHOD**

Stir the primer thoroughly to attain homogeneity. Add clean water into the primer as required, depending on application method, and stir thoroughly for few minutes. Strain the paint through Nylon filter cloth of 300 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 water otherwise equipment is liable to damage.

## **DISCLAIMER**

The information contained within this data sheet is based on information believed to be reliable at the time of its preparation. The company will not be liable for loss or damage howsoever caused including liability

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