

## PRODUCT DATA

**PRODUCT NAME: AK 402**

**PRODUCT DESCRIPTION:** Solvent 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:** AK - 441

**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-411 FR Top Coat.

### 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-411 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**

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. Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you can not strictly comply with them, do not use this product. Proper ventilation and protective measures must be provided during applying and drying to keep solvent vapor concentrations within safe limits and to protect against toxic or oxygen deficient hazards. 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. This is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapor as well as contact between the wet paint and exposed skin or eyes.

## **APPLICATION METHOD**

Stir the primer thoroughly to attain homogeneity. Add thinner AK-441 into the primer , if required, depending on application method, and stir thoroughly for few minutes. Strain the primer 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 AK-402 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**

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 for negligence which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.