

## **PRODUCT DATA**

**PRODUCT NAME: AK 507**

**PRODUCT DESCRIPTION:** Single pack chlorinated rubber based Primer

### **RECOMMENDED USE:**

Recommended as a Fire and corrosion resistant primer applied with Fire resistant paint AK-525 for suitably cleaned MS,GI, Aluminium structures painting in Process industries like fertilizer plants, Refineries, Petrochemical complexes for protection of steel structures from fire, acid fumes, alkali fumes and corrosion. The primer withstands high chemical resistance and it is recommended for highly saline atmospheres.

### **PHYSICAL DATA**

**COVERAGE: 8 Sq 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: 50** 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- 525 Chlorinated rubber 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 )

## **SURFACE PREPARATION**

Remove grease, oil and other contaminants preferably using degreasing solvent. Blast clean to a minimum of Sa 2 1/2 Swedish Standard SIS 05 5900 with a surface profile not exceeding 65 microns. If Blasting is not possible, make full use of mechanical devices along with manual chipping and wire Brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces.

## **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-411 into the paint, 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 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**

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.