

# KUT EPOXY PRIMER S1

## Solvent Based Penetrating Epoxy Primer & Sealer

PPC-19-1110



### DESCRIPTION

**KUT EPOXY PRIMER S1** is a two component solvent based clear epoxy primer & sealer designed for sealing absorbent or porous substrates (e.g. Concrete, cement, asbestos, masonry) & non – porous substrates such as steel, aluminum and brass.

### USES

- Interior and exterior.
- Priming and sealing of concrete masonry, cement, asbestos, wood, steel, aluminum and brass.
- Economical primer for application of epoxy floor coating and wall coatings.
- Cost effective sealer, dust proofer and protective coating for concrete floors in warehouses and storage areas.

### ADVANTAGES

- Deep penetration.
- Provides excellent bonding for epoxy and polyurethane finishes.
- Good resistance to spillages of dilute acids, alkalies and cleaning chemicals when used as floor sealer.

### LIMITATIONS

- Both ambient and substrate temperature should be at least 10°C during application and curing of the product.
- Should not be applied to surfaces containing more than 23% moisture.
- The depth of penetration of the product increases with the dryness of the substrate.
- Care should be taken to ensure at least 24 hours drying time at 25°C and 48 hours at 15°C prior to application of the subsequent coats of epoxy / polyurethane coatings. When applying solvent free system ensure that solvent entrapment is not evident in the concrete floors. This

normally would take 24 hours on normal concrete floors at 25°C or 48 hours @ 15°C.

- On substrates subjected to continuous water contact or offshore structures, use **KUT EPOXY PRIMER W** or **KUT BOND EP** before applying solvent free systems or epoxy screeds.

### TYPICAL PROPERTIES

- **Colour:** Clear pale amber.
- **Pot Life @ 25°C:** 72 hours.
- **Solids Content:** 25% by weight & 20% by volume.
- **Flash Point:** - 6°C.
- **Curing Time @ 25°C and 50% RH :**  
Touch dry = 45 minutes  
To recoat = 2 hours
- **Induction Time :** 10 min @ 35°C  
20 min @ 25°C  
40 min @ 10°C

### INSTRUCTIONS FOR USE

#### Surface Preparation

**Concrete:** Concrete should be sound and dry, cured for at least 28 days. Free from grease, oil, laitance, curing membrane, sealers, paints, rubber tire marks, dust or any other contaminant which could impair good adhesion. Preparation by mechanical or chemical means.

**Wood:** Remove sand and dust.

**Other:** Surface must be clean.

#### Mixing

Mixing must be done using a non – sparking mechanical mixer. Mix Base & Hardener in the ratio of 1 : 1 by volume. Allow for an induction time of 20 min @ 25°C before starting application.



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## APPLICATION

Roller, brush, low pressure spray. Rate of application is guided by product absorption by the substrate. Do not flood. Satisfactory sealing is indicated by the appearance of a uniform permanent shine on the surface. Should a second application be required, allow the first one to set. Clean tools & equipment with **KUT SOLVENT EP** immediately after use.

**Note:** Any finish should be applied within 48 hour interval to the primed surface. If not, lightly abrade with sand paper and apply a fresh coat of **KUT EPOXY PRIMER S1** before application of the finish coat.

## PACKING AND COVERAGE

**KUT EPOXY PRIMER S1** is available in 10 ltr. packs. The coverage is 6 to 10 m<sup>2</sup>/ltr per pack (depending on substrate porosity).

## PRECAUTIONS

**Cleaning:** Spillages should be absorbed with sand earth etc. and disposed in accordance with local regulations. Clean tools & equipment with water / solvents immediately after use.

**Fire:** **KUT EPOXY PRIMER S1** & **KUT SOLVENT EP** are flammable.

**Storage :** Minimum 1 year in original sealed containers at 25°C.

## HEALTH AND SAFETY

Keep away from flame and sparks. Use protective gloves and safety glasses. Contact could cause dermatitis. Protect eyes & skin. In case of skin contact, wash with soap and water. If irritation persists, consult physician. Do not breathe vapours. Do not swallow. If swallowed, seek medical attention immediately. **DO NOT INDUCE VOMITING.**

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