



# KUT EPOXYCOATING "EWB"

## Water Based Epoxy Resin Coating

PPC – 06 – 0104

### DESCRIPTION

**KUT EPOXYCOATING "EWB"** is a high performance water based epoxy paint, suitable for application to most surface. It can be used as a wearing, waterproof weatherproof surface. The facility to be applied to wet or dry surfaces combined with a wide variety of uses provides an almost limitless range of situations where it can be used. It is a two component material supplied in pre-weighed quantities ready for mixing and use. It is available as clear, matt and a limited range of colours. White and light colours tend to yellow.

### USES

**KUT EPOXYCOATING "EWB"** is used as a wall and floor coating for waterproofing, dust proofing, and providing a decorative finish for brick, concrete and masonry surfaces in internal and external situations including marine environments.

It can be applied to damp surfaces and acts as curing membrane when applied to fresh concrete. It helps prevent rising damp in floors and walls. Due to the non-toxic nature of the cured films, it is recommended for use in food processing areas and as a tank lining for potable water and for fish farms. The clear grade is also used as a sealer for porous substrates such as concrete, masonry and gypsum boards.

### ADVANTAGES

- **Quality:** Factory quality controlled pre-weighed quantities which reduces site errors.
- **Adhesion:** Equally effective on dry or damp surfaces. It exhibits good adhesion to concrete, brickwork, stone, asbestos, plastic, wood, steel and ceramic surfaces.
- **Durability:** It can withstand conditions of high temperature, humidity and UV exposure.
- **Maintenance:** It withstands steam cleaning and high pressure water jetting thus permitting easy clean up and maintenance.

### TYPICAL PROPERTIES

| Type                     | Clear and Matt | Pigmented |
|--------------------------|----------------|-----------|
| COLOUR                   | Transparent    | various   |
| VOLUME SOLIDS            | 52.5%          | -         |
| SPECIFIC GRAVITY         | 1.07kg/litre   | -         |
| FLASH POINT              | Nil            | Nil       |
| MINIM. APPLICATION TEMP. | 5° C           | 5° C.     |

### APPLICATION

|                               | Clear and Matt                        | Pigmented                       |
|-------------------------------|---------------------------------------|---------------------------------|
| Method                        | Brush                                 |                                 |
| THINNING MAX.                 | 5% for Brush<br>10% for airless spray | Upto 5.<br>Upto 15.             |
| THINNING & CLEANING           | Water                                 |                                 |
| COVERAGE, THEORITICAL         | 8 to 10m <sup>2</sup> per coat        | 7 to 10 m <sup>2</sup> per coat |
| MIXING RATIO (Base: Hardener) | 2:4.5 Volume                          | 1:2.6 by vol.                   |
| POT LIFE                      | 3 hours @20° C                        | 3hrs @20° C                     |
| POT LIFE (with 10% water)     | 6 hours @20° C                        | 6hrs @20° C                     |

### DRYING

|                  | 20° C         | 40° C         |
|------------------|---------------|---------------|
| TEMPERATURE      | 20° C         | 40° C         |
| DRY TO TOUCH     | 6 hours       | 2 hours       |
| MIN. RECOAT      | 6 to 18 hours | 2 to 18 hours |
| INITIAL HARDNESS | 24 hours      | 24 hours      |
| FULL CURE @25° C | 7 days        | 7 days        |

### CHEMICAL RESISTANCE

Cured films of **KUT EPOXYCOATING "EWB"** is unaffected by water, chlorinated water, 25% Sodium Hydroxide. For specific recommendations, consult Specialties Technical Department.

### INSTRUCTION FOR USE

Surface preparation: **KUT EPOXYCOATING "EWB"** will adhere to most surfaces and other paints, but best results are achieved when the surfaces are clean, sound and free from other paints. surfaces to be treated can be wet as long as the water is not ponded or running. Very porous surfaces should first be treated with a clear coat of **KUT EPOXY COATING "EWB"**.



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When applying over prepainted surfaces, A test application should be carried out to ensure compatibility. All loose and flaky paint should be removed and the surface sanded down.

Application to steelwork should be preceded by a priming coat of a good quality anticorrosive primer.

**Mixing and Application:** Thoroughly mix the two components in the quantity supplied. The useable life is 2 to 3 hours depending on temperature. It can be applied by brush, roller or spray. Up to 15% of water. can be added to thin the paint and this can be useful when applying by spray or to very smooth impervious surfaces.

Normally two coats are satisfactory but on very porous surface use 3 coats including a clear coat as the first coat.

Use three coats on very rough surfaces and on any uneven surface when used as a waterproof membrane. Up to four coats may be used when light colours are applied to dark backgrounds to obtain complete obliteration or maximum water tightness as required.

**Drying and Curing:** At normal temperature and humidity the coating is touch dry in about 4 hours and hard dry in 12 hours. Full hardness is achieved in 7 days.

At 10° C and high humidities, the drying time can be considerably extended but can be reduced by forced ventilation. Do not apply below 5° C.

## PACKAGING AND COVERAGE

**KUT EPOXY COATING "EWB"** is supplied in 4.5 kg, 2 packs / cartoon. Depends on substrate but usually in the range of 7 - 10 M<sup>2</sup>/kg per coat.

## PRECAUTIONS

**Cleaning:** When using spray equipment, a thorough flushing with cold water every hour or so will prevent a build up of cured material. When the shift is finished, the equipment should be flushed "out" with cold water followed by the **KUT SOLVENT EP**. Brushes and rollers can be washed out with cold water.

**Storage:** **KUT EPOXYCOATING "EWB"** should be stored in moderate condition, minimum 5° C max. 40° C, and should not be exposed to frost. Under these conditions, a Shelf life of 12 months can be expected.

**Protection:** All work must be protected from rain and frost until hardened.

**General Remarks:** The coverage is largely dependent on porosity of the substrate, the extent of thinning and the method of application. Drying data given is on the assumption that proper ventilation and relative humidity below 65% is provided.

**Safety:** As a general rule, Inhalation of paint mist and contact of liquid paint with skin and eyes should be avoided. Forced ventilation should be provided when working in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint.

## HEALTH AND SAFETY

**KUT EPOXYCOATING "EWB"** is a safer paint to handle than solvent based resin products. However it is recommended that all skin contact with **KUT EPOXYCOATING "EWB"** is avoided and that any areas of contact are washed with soap and warm water. It is advisable to use gloves when applying by brush. Always wear a mask while spraying.

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