

KUT EPOXY COATING SF1

Solvent Free Epoxy Coating



PPC-13-1112

DESCRIPTION

KUT EPOXY COATING SF1 is a two pack epoxy aliphatic/cycloaliphatic amine based system. It is applied at an average dry film thickness of 400 microns, in two coat application.

Colour Range: Light Grey, white, Blue, Green & Red

USES

- Internal coating for steel and concrete storage tanks.
- Suitable for sewage works, marine environments, basements and tunnels.

ADVANTAGES

- 100% solid coating system.
- Corrosion, Chemical and abrasion resistant.
- Solvent free, low odor.
- Can be applied to damp surfaces.

TYPICAL PROPERTIES

Volume Solids: 100%.

Consistency: Pourable / Brushable.

Pot Life@ 25°C: 90-120 minutes.

Adhesion to Concrete: Min. 1.0 N/mm²

Water absorption (%) 24 hr immersion – 0.05

Tensile Strength (kg/cm²) – 451.6

Elongation (%) – 2.93

Tear Strength (KN/m) – 87.4

Chemical Resistance : Fully cured film is resistant to Brine Solution, Petrol, Xylene, Distilled Water, 50% Caustic(sodium & potassium) Solution, 50% Sulphuric Acid.

APPLICATION

SURFACE PREPARATION - Concrete: All surfaces must

be smooth, sound and free from debris, loose or flaking material and areas of standing water. Surfaces must be free from contamination such as oil, grease, dust, loose particles and organic growth. Concrete surfaces must be fully cured, laitance free and free from any traces of shuttering release oils and curing compounds.

STEEL: All steel surfaces should be grit blasted to meet the requirements of **BS 4232**, First Quality. The lining work should be programmed so that newly cleaned steel is coated as soon as possible before the formation of rust or scale.

Mixing: The contents of the base can should be thoroughly mixed to disperse any settlement. The entire contents of the hardener can should be added to the base container and mixed thoroughly until a uniform consistency is obtained, taking particular care to scrape the sides and bottom of the container. It is recommended mechanical mixing be employed, using a jiffy mixer, or a heavy duty, slow speed electric drill.

APPLICATION

- **Number of coats:** Two.
- **Theoretical application rate @ coat:** 0.2 ltrs/m².
- **Theoretical wet film thickness per coat:** 200 microns.
- **Overcoating Time :**
 - @ 5°C : 24 - 72 hrs
 - @ 20°C : 12 - 24 hrs
 - @ 35°C : 6-12hrs
- **Full cure :**
 - @ 5°C : 14 days
 - @ 20°C : 7 days
 - @ 35°C : 5 days

The minimum application temperature is 5°C. A two coat application is recommended. The thoroughly mixed material should be applied with a suitable brush, roller or airless spray equipment.



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CLEANING

Tools and equipments should be cleaned with **KUT SOLVENT EP** immediately after use. Spillages should be, absorbed with, sand or saw dust and disposed of in accordance with local regulations.

LIMITATIONS

KUT EPOXY COATING SF1 is best applied when the temperature is between 10° C and 30° C. It must not be applied at temperatures below 5° C or above 40°C.

PACKAGING & COVERAGE

A 16 litre pack covers 40 m² at 400 micron thickness depending on substrate @ 200 microns per coat in 2 coats.

STORAGE

In unopened packs **KUT EPOXY COATING SF1** has a shelf life of 12 months when stored in warehouse conditions below 35°C.

HEALTH AND SAFETY

KUT EPOXY COATING SF1 base and hardener and **KUT SOLVENT EP** should not come in contact with skin or eyes or be swallowed. Avoid prolonged inhalation of vapours. Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier cream should therefore be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus is recommended.

If mixed resin comes in contact with skin it must be removed before it hardens with a resin removing cream followed by washing with soap and water. **DO NOT USE SOLVENT.** Contamination of the skin with the above component products should be removed immediately with soap and water.

Should accidental eye contamination occur with any of the above products, wash well with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately. **DO NOT INDUCE VOMITING.**

FIRE

KUT EPOXY COATING SF1 is not flammable but **KUT SOLVENT EP** is flammable.

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