

KUT EPOXY PRIMER "W"

Epoxy Resin Based Primer For Damp Surfaces

PPC-03-1110



DESCRIPTION

KUT EPOXY PRIMER "W" is a solvent free epoxy resin system blended with fine inert fillers. It is supplied as a two component material in pre-weighed quantities ready for on-site mixing and use.

USES

KUT EPOXY PRIMER "W" is primarily intended as a primer for all grades of **KUT EPOXY MORTARS** for use on damp concrete surfaces. The use of this primer eliminates the problems of placing epoxymortars on dry and damp concrete surfaces. It may also be used for producing screed floors as a bonding agent and for minor mortar repairs by extending with sand or aggregate.

ADVANTAGES

- **Quality:** Factory quality controlled pre-weighed quantities reduces site errors.
- **Adhesion:** Excellent adhesive for bonding concrete, ceramic, steel, wood or damp concrete surfaces.
- **Durability:** Enhanced adhesion of mortars ensures permanent repairs.
- **Chemical Resistance:** Resistant to a wide range of acids, alkalies and industrial chemicals.
- **Waterproofing:** Cures under humid conditions and the cured surface is impermeable to water.

LIMITATIONS

KUT EPOXY PRIMER "W" should not be used as a bonding agent for old concrete to new freshly laid concrete. Use **KUT EPOXY BONDER "OTN"** or **KUT BOND TN** for this purpose.

TYPICAL PROPERTIES

Pot life: 40 minutes at 25°C.

Open Tack Time : 2-3 hours at 30°C. Mortars to be applied within this time period.

Bond Strength: Bond Strength is higher than the tensile and shear strength of the concrete (dry or damp).

Initial Cure: 12 hours at normal temperature.

Full Cure: 7 days.

Density: 1.175 kg/M³.

Minimum Application Temperature: 5°C.

MECHANICAL PROPERTIES

Compressive Strength – ASTM C-579 : 50 N/mm² @ 7 days

Flexural Strength – ASTM C-580: 40 N/mm² @ 7 days

Tensile Strength - ASTM C-307 : 25 N/mm² @ 7 days

Compression Modulus - ASTM C-579 : 1500 N/mm² 7days

CHEMICAL RESISTANCE

KUT EPOXY PRIMER "W" has excellent resistance to most aqueous systems, sewage, urine, fresh water, sea water, alkalies, diluted acids, mineral oils, vegetable oils & fats, ammonia and formaldehyde.

INSTRUCTIONS FOR USE

Surface Preparation: All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by scabbling or light bush hammer. If necessary, acid etching " **KUT ACID ETCH**" followed by thorough rinsing is recommended. Metal surfaces should be fully degreased followed by grit blasting to BS 4232: Second Quality or SA2.5 (SIS 05 5900). All leaks must be plugged first with **KUT AQUA FILLPLUG** and allowed to cure for 36 hours at least prior to application of this primer. All free-standing water should be removed and the surface should be dabbed with some absorbent material such as paper, cotton/wool, etc.

Mixing: The total base and hardener components should be thoroughly mixed in the base container.



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APPLICATION

After mixing immediately apply to the previously prepared substrates using a short haired stiff nylon brush, ensuring thorough wetting of surface. It is essential that **KUT EPOXY MORTARS** are applied whilst this primer coat is still tacky (generally within two hours. If the **KUT EPOXY PRIMER "W"** hardens before application of the mortar, then the old primer coat should be properly abraded and a fresh coat of **KUT EPOXY PRIMER "W"** be applied.

PACKING AND YIELD

KUT EPOXY PRIMER "W" is available in 1 kg pack. 3 packs/carton.

Yield: 0.850 litre/pack.

Coverage: **KUT EPOXY PRIMER "W"** is recommended at a spread rate of 5.5 - 8 M² / pack.

PRECAUTION

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

Storage: Store in dry conditions upto 20o C. Shelf life is 12 months..

PERFORMANCE STANDARDS

ASTM-C 881 - Type I, Type III & Type IV, Grade 2, Class B&C, Passes ASTM-C 883 & ASTM-C 884.

HEALTH AND SAFETY

KUT EPOXY PRIMER "W" should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of vapours. Some people are sensitive to epoxy resins, therefore, protective gloves, goggles and barrier creams should be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus must be used.

If this primer comes in contact with skin it must be removed before it gets dry by washing with soap and

plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. **Do not induce vomiting.**

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