

KUT EPOXY PRIMER "N"

General Purpose Epoxy Resin Based Primer

PPC-02-1110



DESCRIPTION

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

USES

KUT EPOXY PRIMER "N" is primarily intended as a primer for all grades of **KUT EPOXY MORTARS** for use on essentially dry surfaces. The use of this primer reduces the porosity of the substrate and also provides a good "tack" for easy application of the **KUT EPOXY MORTARS**. 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 or wood.
- **Durability:** Enhanced adhesion of mortars ensures permanent repairs.
- **Chemical Resistance:** Resistant to a wide range of acids, alkalies and industrial chemicals.
- **Waterproofing:** Cured surface is impermeable to water.

LIMITATIONS

KUT EPOXYPRIMER "N" is not recommended over very damp/wet substrate.

Use **KUT EPOXY PRIMER "W"** for this purpose.

KUT EPOXY PRIMER "N" should not be used in bonding old concrete to new freshly laid concrete. Use **KUT EPOXY BONDER OTN** for this purpose.

TYPICAL PROPERTIES

Pot life: 35 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.

Initial Cure : 12 hours at normal temperature.

Full Cure : 7 days

Density : 1.20kg/M³.

Minimum Application Temperature : 5°C.

MECHANICAL PROPERTIES

Compressive Strength ASTM C-579 : 60 N/mm²

Flexural Strength ASTM C-580 : 40 N/mm²

Tensile Strength ASTM C-307 : 25 N/mm²

Compression Modulus ASTM C-579 : 1500 N/mm²

CHEMICAL RESISTANCE

KUT EPOXY PRIMER "N" 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 using **KUT ACID ETCH** followed by thorough rinsing is recommended. Metal surfaces should be fully de-greased followed by grit blasting to BS 4232: Second Quality or SA2.5 (SIS 05 5900).

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



مصنع التخصصية لكيمائيات البناء
SPECIALITIES CONSTRUCTION CHEMICALS FACTORY

Marketed by: Alghanim Specialities Co. W.L.L.
Amghara Industrial Area, P.O.Box: 23595 Safat, 13096 Kuwait
Tel: 1802550 – 400 - Fax: +965 24582548 - Email: sales@spec-kw.com



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 "N"** hardens before application of the mortar, then the old primer coat should be properly abraded and a fresh coat of **KUT EPOXY PRIMER "N"** be applied.

PACKAGING AND YIELD

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

Yield: 0.840 litre/pack.

Coverage: **KUT EPOXY PRIMER "N"** is recommended at a spread rate of 4.5 - 6.5 M² / pack depending on the porosity of the substrate.

PRECAUTION

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

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

PERFORMANCE STANDARDS

ASTM-C 881 - Type I & Type III, Grade 2, 3

Class B & C specification.

Passes ASTM -C 883 & ASTM - C 884.

HEALTH AND SAFETY

KUT EPOXY PRIMER "N" 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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