

KUT DURAGUARD PRIMER

Epoxy Based Primer For Polyurethane Flooring and Coatings

PPC-42-0712



DESCRIPTION

KUT DURAGUARD PRIMER is a solvent free epoxy resin system and is supplied as a two component material in pre-weighed quantities ready for on-site mixing and use.

USES

KUT DURAGUARD PRIMER is recommended as a Primer for epoxy mortars, floor coatings, membranes and other epoxy & PU based coatings. Acts a sealer for PU based floorings and membranes avoiding the surface moisture from interfering in curing.

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 finish coat ensures longer durability.

Chemical Resistance: Resistant to a wide range of acids, alkalies and industrial chemicals.

Waterproofing: Cured surface is impermeable to water.

LIMITATIONS

KUT DURAGUARD PRIMER should not be used in bonding old concrete to new freshly laid concrete. Use **KUT EPOXY BONDER OTN** or **KUT BOND TN** for this purpose.

TYPICAL PROPERTIES

- **Pot life:** 35 minutes at 25°C.
- **Open Tack Time:** 1-2 hours at 30°C.
- **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.
- **Minimum Application Temperature:** 5°C

MECHANICAL PROPERTIES

Compressive strength	ASTM C579 :50 N/mm ²
Flexural Strength	ASTM C580 : 40 N/mm ²
Tensile Strength	ASTM C-307 : 25 N/mm ²
Adhesion to concrete:	3.7 N/mm ² cohesion failure of concrete

CHEMICAL RESISTANCE

KUT DURAGUARD PRIMER 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: Surface preparation must be thorough. Light mechanical scarifying or captive blasting is preferred to acid etching which is only acceptable where access to mechanical equipment is not possible. Chemical degreasers are only recommended for the removal of light oil contamination prior followed by mechanical treatment. New concrete must be cured for at least 21 days and have a moisture content of less than 5%. The substrate should not suffer from rising damp conditions.

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

Application: After mixing immediately apply to the previously prepared substrates using a short haired stiff nylon brush ensuring thorough wetting of surface. Please refer to respective datasheets for the time of application of subsequent Toppings.

PACKAGING

KUT DURAGUARD PRIMER is available in 1 kg pack. 3 packs/carton.

Coverage: **KUT DURAGUARD PRIMER** is recommended at a spread rate of 5 - 8 m² / pack depending on the porosity of the substrate.



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PRECAUTIONS

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, Class B&C specification.

Passes ASTM -C 883 & ASTM - C 884.

HEALTH AND SAFETY

KUT DURAGUARD PRIMER 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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