

KUT EPOXY STC

EPOXY RESIN BASED STAIR TREAD COM- POUND

MIS-18-1110



DESCRIPTION

KUT EPOXY STC is available in two grades, "NONSKID" and "SMOOTH". Both grades are three component products consisting of Base, Hardener and Filler supplied in pre-measured quantities ready for mixing and use. Both grades of **KUT EPOXY STC** can be used for most types of interior stair treading the applications on concrete, marble, granite natural and synthetic stones.

KUT EPOXY STC "NONSKID" is used in where a rough tread surface with good hardness is desired.

KUT EPOXY STC "SMOOTH" is used where a smooth tread surface is desired.

USES

As stair treading compound on various types of stairs such as concrete, marble, granite natural and synthetic stones.

ADVANTAGES

Rapid strength gain: Typically 20 N/mm² in 8 hrs at 30°C.

Excellent adhesion to most type of stair with or without primer.

Non-expansive: This coupled with minimal (negligible) shrinkage makes **KUT EPOXY STC** a very good choice for stair treads.

Colours: Available in Dark Grey & some other colours.

TYPICAL PROPERTIES

Gel Time	: About 1 hour at 25°C
Min. Time before load:	16 hours @ 25°C
Compressive Strength:	At 30°C in 2" cubes : 24 hours - 30N/mm ² : 7 days - 75 N/mm ²
Shear strength	: Excess of 25 N/mm ²

CHEMICAL RESISTANCE

Performance of **KUT EPOXY STC** blocks continually immersed at 20°C.

Citric Acid 10%	: Excellent
Acetic Acid 5%	: Satisfactory
Nitric Acid 10%	: Good
Hydrochloric acid 25%	: Excellent
Sulphuric acid 10%	: Very good
Sugar solutions	: Very good
Lactic acid	: Very good
Hydrocarbons	: Very good
Phosphoric acid 50%	: Very good
Sodium hydroxide 50%	: Excellent
Diesel fuel/petrol	: Excellent
Minimum Application Temperature	: 5°C

INSTRUCTIONS FOR USE

- 1.Surface Preparation:** Ensure that substrates is structurally sound free from grease and oil and do not have excessive laitance. Good surface preparation is necessary to ensure maximum in-service properties and long term performance.
- 2.Mixing:** Mix by adding all the hardener to the base pack stir for 1 minute, then add the filler component and then stirring thoroughly until a smooth, well mixed paste is obtained. Mixing by use of a slow speed drill and mixing paddle is preferred. Do not split packs or alter the components in any way.
- 3.Priming:** Before application of **KUT EPOXY STC**, a primer shall be used. The use of **KUT EPOXY PRIMER "C"** is recommended. Refer respective product data sheet for more details.
- 4.Application:** The mixed material should be applied with a steel trowel or other suitable tools, to the surface primed as necessary, and whilst the primer coat, is still tacky, press firmly into grooves to ensure positive adhesion. Finish to a flush or curved surface as necessary. The final finishing may be aided by using a water wet trowel. Do not put water directly on the applied epoxy compound.



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



PACKAGING & YIELD

KUT EPOXY STC Grades “**NONSKIND**” and “**SMOOTH**” are supplied in 5 kg Packs. Yield 2.5 litres per pack and also supplied in 10 kg packs. Yield 5 litres per pack.

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 12 months.

FIRE RESISTANCE

The product is not flammable but will burn in fire.

HEALTH AND SAFETY

KUT EPOXY STC 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 mixed resin comes in contact with skin, it must be removed before hardening with a resin removing cream, followed 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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