

KUT STUDFIX EP

Three Component Epoxy Adhesive For Fixing Of Studs In Roads & Runways

MIS-14-1012



DESCRIPTION

KUT STUDFIX EP is a free flow adhesive based on solvent free epoxy resins. It has exceptional adhesive properties, and is supplied as a three component material which on mixing cures to a high strength oil, water and chemical resistant bond.

USES

KUT STUDFIX EP is used in bonding reflector studs, rubber warning cones lane marking studs etc. to either black top asphalt or concrete roads, runways, motor ways etc.

ADVANTAGES

- Adhesion to concrete - excellent
- Adhesion to black top asphalt - excellent
- Adhesion to mild steel - excellent, bond strength in excess of 10 N/mm² at 24 hours.
- Adhesion to rubber / plastic - excellent.

TYPICAL PROPERTIES

- **Pot Life:** 45 to 60 minutes at 20°C
10 to 20 minutes at 40°C
- **Cure Time:** 6 hours at 20°C
- **Cure Temperature:** Curing takes place at temperatures above 5°C.
- **Limitation:** Maximum cure temperature 100°C.
- **Shelf Life:** 12 months minimum if stored below 20°C.

SURFACE PREPARATION

Surfaces to be bonded should be dry, sound and thoroughly clean. Smooth surfaces should be abraded.

Surface	Preparation
Concrete, Asbestos, Cement, Black Top, Asphalt etc.	Dry, Remove laitance and loose material.
All other materials	Clean, dry if wet and abrade
PVC	Clean with trichlorethylene or similar and abrade

HOLE PREPARATION

Optimum performance of **KUT STUDFIX EP** grouts require rough sides, dust free and essentially dry holes. Use of rotary percussive drills with air flushing is recommended. Diamond drilled holes should be under - reamed unless necessary safety factors are incorporated. Cast holes should be preferably inverse dovetail configuration. Avoid parallel sided holes. If holes are cast, they should be rough enough to provide adequate keying.

MIXING

A complete pack of base, hardener and filler should be prepared by first mixing base and hardener, then gradually adding the filler component and then mixed for a further two minutes to ensure an even consistency material. The material should be placed in position within the gel time.

Note : Packs have been designed to produce practical and economic volumes. **DO NOT MIX PARTIAL PACK COMPONENTS.**

INSTALLATION

The mixed material should be placed steadily into the prepared holes. **KUT STUDFIX EP** should then be left undisturbed in the required position until the resin is set.

Air entrapment while placing should be avoided by using suitable placement techniques.

PACKING & YIELD

KUT STUDFIX EP is supplied in 5.5 kg. packing giving a yield of 3.6 ltrs. 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 like **KUT SOLVENT EP** immediately after use.

Storage: Store in dry conditions upto 20°C.



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





FIRE RESISTANCE

The product is not flammable but will burn in fire.

HEALTH & SAFETY

KUT STUDFIX EP 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 should 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 attention immediately. Do not induce vomiting.

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