



# KUT BOND-EP

## Multi Purpose Epoxy Bonding Agent

MIS – 05 - 0104

### DESCRIPTION

**KUT BOND EP** is a multi-purpose adhesive based on solvent free epoxy resins. It has exceptional adhesive properties, and is supplied as a two-pack material which on mixing cures to a high strength, oil, water and chemical resisting surface.

### USES

It is designed for use as a bonding agent for fine and coarse aggregate, which must be clean and dry, to form a chemical resistant mortar granolithic flooring or screed. It is recommended for use as an economical epoxy bonder for old to new freshly laid concrete or screed. It may also be used as a primer for epoxy floor coating and screeds and for bonding sprinkled on aggregate. It is used as a general purpose bonding agent for common construction materials including concrete, ceramics, glass, metals, asbestos, timber, plastics etc.

### ADVANTAGES

- **Strong Adhesion** : Tests show failure in substrate.
- **Versatile** : Suitable for most common construction materials.
- **Waterproof** : Suitable for wet conditions.
- **Chemical Resistant** : Resistant to oil and chemical attack.
- **Easy to use** : Simple mixing minimises waste.
- **Curing in humid conditions** : good curing in highly humid conditions at low temperatures.

### TYPICAL PROPERTIES

- **Pot Life** : 45 - 60 minutes at 20° C.  
20 minutes at 40° C
- **Cure Time** : 10 hours at 20° C  
These times will be longer when mixed with fillers and aggregates.
- **Cure Time** : 7 days @ 20° C

- **Cure Temperature** : Curing takes place at temperature 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 or acid etched as appropriate.

### MIXING

Mix 3 parts by weight of base with 1 part by weight of hardener or 2.6 volume of Base and 1 volume of hardener if required aggregates are then added and mixed with a mortar mixer to the desired consistency. If used as a bonding agent use neat or fine filler only.

### CLEANING

During the worklife of the mixed material, tools and equipment can be cleaned with water. Hardened **KUT BOND EP** can be removed from pliable polythene beakers by flexing.

### PACKAGING

**KUT BOND EP** is available in 20kg pack base and hardener in separate cans. Normally, coverage 6-8 m<sup>2</sup>/kg depending on surface porosity. On very porous and rough surfaces the coverage may be as low as 4-5 m<sup>2</sup>/kg.

### HEALTH AND SAFETY :

**KUT BOND EP** should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of vapours. Some people are sensitive to hardener component therefore, protective gloves, goggles and barrier cream should be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus must be used. If this product 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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