

# KingBond<sup>®</sup> EP75

**Solvent free general purpose epoxy adhesive.**

## DESCRIPTION

KingBond EP75 is a multi-purpose, two components, medium viscosity, solvent free epoxy resin adhesive.

## APPLICATIONS

KingBond EP75 is used for high strength bonding of different material such as:

- 🔧 Concrete and metals.
- 🔧 Glass.
- 🔧 Plastics.
- 🔧 Timber joints and ceramics.
- 🔧 Fixing laminates/veneers.
- 🔧 Rubber.

## ADVANTAGES

- 🔧 High strong adhesive.
- 🔧 Bonds most common building materials.
- 🔧 Unaffected by immersion.
- 🔧 Easy application.

## METHOD OF USE

### Surface Preparation

- 🔧 All Substrate should be sound and dust free.
- 🔧 Concrete surfaces should be dry and free of any laitance.
- 🔧 Metals, steel, copper, brass etc. surfaces should be degreased abraded.
- 🔧 Glass, ceramics and plastics should be degreased and abraded.
- 🔧 Rubber surface should be treated for 4 minutes with sulphuric or nitric acid or abraded.
- 🔧 Timber should be dry abraded.

### Mixing

All content of base and hardener should be mixed thoroughly using spatula or palette knife.

## TECHNICAL PROPERTIES @ 25°C:

Tensile shear bond strength: (Aluminum & stainless steel overlap)	≥ 14 MPa @ 7 days
Color:	Clear to whitish
Pot life:	20 – 30 min
Cure time:	≈ 5 hr
Tensile strength: BS 6319, Part 7:1985	≥ 8 MPa
Flexural strength: BS 6319, Part 3:1990	≥ 15 MPa
Compressive strength: BS 6319, Part 2:1983	≥ 65 MPa
Mixed density:	1.1 ± 0.02 g/cm <sup>3</sup>
Slant shear bond strength: AASHTO T-237-73	> 30 MPa
VOC: ASTM D2369	< 60 g/ltr (complies with LEED)

## CLEANING

All tools should be cleaned immediately before the adhesive reaches initial setting using KingBond solvent.

## PACKAGING

KingBond EP75 is available in 0.5 kg packs.

## COVERAGE

0.9 – 1.0 m<sup>2</sup>/0.5 kg @ 0.5 mm thick.

## STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.



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## HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY AND CARE

All products originating from KingKrete's manufacturing facilities are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

\* Properties listed are based on laboratory-controlled tests.

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

### NOTE

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