

# KingBond® EPT100

Epoxy adhesive for tiles.

## DESCRIPTION

KingBond EPT100 is a chemical resistant, solvent free tile adhesive. KingBond EPT100 is a three component system consisting of a resin base, hardener and selected fillers.

## APPLICATIONS

KingBond EPT100 is suitable for fixing tiles in application areas such as:

- ☒ Swimming Pools.
- ☒ Laboratories.
- ☒ Kitchens.
- ☒ Dairy Industries.
- ☒ Meat, Poultry and Food Processing Plants.
- ☒ Hospitals.
- ☒ Abattoirs.
- ☒ Pharmaceutical Plants.

## ADVANTAGES

- ☒ High chemical resistance.
- ☒ Waterproof-impermeable when cured.
- ☒ Suitable for internal and external use.
- ☒ High bond strength.

## METHOD OF USE

## SURFACE PREPARATION

All surfaces must be clean and free from oil, grease or loose materials. Substrate should dimensionally stable. Allow time for shrinkage and structural strain movements.

### Joints

Tiles should not be placed over expansion or contraction joints. Stop tiles on joint edges and fill joints with flexible sealant.

## MIXING

To ensure proper mixing, a mechanically powered mixer or drill fitted with a suitable paddle should be used. Stir the base and the hardener individually to disperse any settlement. The entire contents of the base and hardener should be poured into a suitable size container and mixed mechanically for 2 minutes. Add the filler and mix for another 3 minutes, until a uniform color is achieved.

## TECHNICAL PROPERTIES

Compressive strength: BS6319, Part 2 : 1983	> 55 MPa @ 7 days
Tensile strength: BS6319, Part 7 : 1985	12 MPa @ 7 days
Pot life:	1:30 hrs.
Initial setting time:	8 hrs.
Full cure:	7 days
Mixed specific gravity:	1.9
Minimum application temperature:	5°C

## APPLICATION

- ☒ Spread to a uniform thickness of 2 - 3 mm.
- ☒ Comb horizontally.
- ☒ Place tile firmly over the applied area.
- ☒ Do not apply large areas of adhesives that cannot be covered within the open wet time of the adhesive.

## WORKING CONDITIONS

KingBond EPT100 should not be applied at temperature below 5°C.

## CLEANING

Cleaning should be commenced immediately before the grout reaches initial setting. After initial set, product may be removed either by using Kingkrete solvent or by mechanical means but with great difficulty.

## PACKAGING

KingBond EPT100 is available in 12 kg packs.

## YIELD

12 kg Packs/ 6.5 liters.

## 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 Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

\* 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

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

