

# KingFix® EP200

**Flexible, fast setting two component solvent free epoxy tile adhesive and grout with high chemical, abrasion and slip resistance.**

## DESCRIPTION

KingFix EP200 is a chemical and abrasion resistant solvent free tile adhesive and grout ideal for demanding surface exposure or high traffic areas.

KingFix EP200 is suitable for all types of ceramic tiles and stone in internal, external and submerged conditions.

KingFix EP200 is a two component system consists of pre-weighted resin base and hardener that should be mixed thoroughly prior to using.

## APPLICATIONS

KingFix EP200 is suitable for use in application areas such as:

- 🔧 Swimming Pools.
- 🔧 Laboratories.
- 🔧 Kitchens.
- 🔧 Dairy Industries.
- 🔧 Meat Poultry and Food Processing Plants.
- 🔧 Hospitals.
- 🔧 Abattoirs.
- 🔧 Pharmaceutical Plants.
- 🔧 Mould and stain impermeable.
- 🔧 Available in wide range of colors.

## ADVANTAGES

- 🔧 High chemical resistance.
- 🔧 High abrasion resistance.
- 🔧 Waterproof-impermeable when cured.
- 🔧 Suitable for internal and external use.
- 🔧 High bond strength.
- 🔧 Fast setting.

## STANDARDS

### As a tile adhesive

- 🔧 KingFix EP200 complies with ISO 13007-1 and BS EN 12004 specifications, Class R2T.

### As a tile grout

- 🔧 KingFix EP200 complies with ISO 13007-3 and BS EN 13888 specifications, Class RG.

## METHOD OF USE

### Surface Preparation

- 🔧 Joint surfaces should clean and free from dust or any contamination.
- 🔧 Joints should be cleaned to the full thickness of the tile or to a minimum depth of 2/3 of the tile thickness.
- 🔧 Joints should be dry before grout filling.

## TECHNICAL PROPERTIES

Pot life:	2.5 - 3.5 hr @ 25°C
Mixed density:	1.75 ± 0.1 g/cm <sup>3</sup>
Tensile adhesion strength: ISO 13007-2, 4.1	≥ 0.5 MPa after 20 min
Shear adhesion strength: ISO 13007-2, 4.3.4	≥ 2.0 MPa
Shear adhesion strength: ISO 13007-2, 4.3.5	≥ 2.0 MPa (after water immersion)
Shear adhesion strength: ISO 13007-2, 4.3.8	≥ 2.0 MPa (after thermal shock)
Water absorption: ISO 13007-4, 4.2	< 0.1 g (after 240 min)
Shrinkage: ISO 13007-4, 4.3	< 1.5 mm/m
Compressive strength: ISO 13007-4, 4.1.4	≥ 55 MPa @ 7 days
Flexural strength: ISO 13007-4, 4.1.3	≥ 30 MPa
Full chemical cure:	7 days
Minimum application temperature:	5°C
VOC: ASTM D2369	< 40 g/ltr (complies with LEED)

## 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 to the base/hardener mixture and mix for 3 minutes until a uniform colour is achieved.

## PLACING AND FINISHING

Fill the mixed grout into the joints using rubber trowel or by using hand operated gun and cartridges. Excess grout should be cleaned with a proper wet cloth within the material pot life.

## WORKING CONDITIONS

KingFix EP200 should not be applied at temperature below 5°C.

# KingFix<sup>®</sup> EP200

## 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

KingFix EP200 is available in 1 kg packs which yield approximately 0.57 litre and 6 kg packs which yield approximately 3.43 litre and 12 kg packs which yield approximately 6.85 litre.

## 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.

## 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.

## CHEMICAL RESISTANCE

### ISO 13007-2:2010 after submersion in the following chemicals:

	After 7 days full immersion	After 28 days full immersion
Ammonia 10% - Liquid	R	R
Citric Acid 10%	R	R
Diesel fuel		
Hydrochloric Acid 10%	R	R
Kerosene	R	R
Lactic Acid 10%	R	R
Nitric Acid 10%	RS	RS
Oleic acid	R	-
Phosphoric Acid 37%	R	RS
Potassium hydroxide 50%	R	R
Sulfuric Acid 10%	R	R
Vinegar 5%	R	R
Water - Distilled	R	R
Chlorinated water	R	R
Water - Fresh	R	R
Water - Sea, Salt	R	R
Xylene	R	-

*Note: Slight discoloration may occur without affecting the performance.*

## 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.

® = Registered trademark of the KingKrete-Group in many countries.

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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.