

# KingTile<sup>®</sup> RTL10

**Cementitious ceramic tile adhesive with good adhesion strength for indoor applications**

## DESCRIPTION

KingTile RTL10 is a premixed normal grade cementitious tile adhesive which when mixed with water produces an easily workable interior tile adhesive suitable for bonding ceramic tiles on floors and walls.

## APPLICATIONS

- ☞ For permanent fixing of ceramic tiles.
- ☞ Suitable for bathrooms, kitchens and wet areas.
- ☞ Non sag, can be used for vertical walls and floors.

## ADVANTAGES

- ☞ Good open time.
- ☞ Water resistance, will not be affected in wet areas.
- ☞ Ready mixed, just requires the addition of water.
- ☞ Non sag.
- ☞ Good bond strength.

## LIMITATIONS

Do not use for:

- ☞ Not suitable for external use.
- ☞ Not suitable for applications where underfloor heating systems are installed.
- ☞ Not suitable for continuously submerged conditions.

## STANDARDS

KingTile RTL10 complies with ANSI A118.1 "Standard Specification for Dry-Set Portland Cement Mortar".

## METHOD OF USE

### Substrate 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.

### Priming

KingTile RTL10 can be applied directly on concrete, cement plaster, screed and cement or lime mortar. Prime gypsum boards with Keybond 2000 diluted with water at a ratio of 1:2 by volume.

### Joints

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

Fresh wet density:	1.85 ± 0.1 g/cm <sup>3</sup>
Pot life:	2 hr @ 25°C
Open time: EN 1346:2007	≥ 0.5 MPa @ 10 min
Initial adhesion strength: EN 1348:2007	≥ 0.5 MPa
Shear strength to impervious tile: ANSI A118.1, 5.2.4	> 10.5 kg/cm <sup>2</sup> @ 28 days
Shear strength to impervious tile after water immersion: ANSI A118.1, 5.2.3	> 7 kg/cm <sup>2</sup> @ 7 days
VOC: ASTM D2369	< 10 g/ltr (comply with LEED)

## Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

5.4 - 5.8 litres (for each 20 kg bags) of clean water should be added to a clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing should be continued for 3 minutes until a uniform consistency is obtained.

## APPLICATION

- ☞ Spread to a uniform thickness of 2 - 5 mm.
- ☞ Comb horizontally.
- ☞ Place tiles firmly over the applied area.
- ☞ Do not apply large areas of adhesives that cannot be covered within the open wet time of the adhesive.

## CLEANING

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

## PACKAGING

KingTile RTL10 is available in 20 kg bags.

## YIELD

Approximately 6.9 m<sup>2</sup>/20 kg bag @ 2 mm thickness.

## STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of

**TECHNICAL PROPERTIES W/P = 0.28:**



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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.

## 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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