

# KingFix® PS50

Ready to use interior grade ceramic tile adhesive based on organic binder with extended open time

## DESCRIPTION

KingFix PS50 is a ready to use dispersion tile adhesive based on acrylic binder, fine filler and combination of selected additives that provides a high performance tile adhesive suitable for vertical and horizontal surfaces in internal applications.

The high adhesion strength properties of KingFix PS50 makes it ideally suitable for fixing all types of small and medium size ceramic tile on several substrates such as cementitious plaster, gypsum boards, painted walls and old tiles.

## APPLICATIONS

- 🔧 For permanent installation of ceramic tiles internally.
- 🔧 Suitable for the applications on drywall such as gypsum boards and plaster boards.
- 🔧 Non sagging, suitable for wall applications.
- 🔧 Can be used in temporary wet areas.
- 🔧 On concrete and cement based mortar, screed and plaster.

## ADVANTAGES

- 🔧 Ready to use adhesive, does not need the addition of water or mixing.
- 🔧 High adhesion strength on different types of substrates.
- 🔧 Excellent thixotropic properties, non-slip on vertical applications.
- 🔧 Extended open time.
- 🔧 Environmentally friendly, based organic binder.

## LIMITATIONS

Do not use for:

- 🔧 Exterior applications.
- 🔧 Continuous immersed surfaces such as swimming pools.
- 🔧 On metal surfaces.
- 🔧 Installation of large format ceramic tiles or natural stone.

*Note:*

*Although the moisture resistance of Profix PST is fair, it is recommended to use Cemfix Range of cementitious tile adhesives in wet conditions.*

## TECHNICAL PROPERTIES @ 25°C:

Appearance:	White pasty
Specific gravity:	1.65 ± 0.05
Solid content:	78 ± 2%
Open time: ISO 13007-2,4.1	≥ 30 min
Shear adhesion strength: ISO 13007-2,4.3.4	≥ 1.5 MPa
Shear adhesion strength after heat aging: ISO 13007-2,4.3.6	≥ 2.5 MPa
Slip: ISO 13007-2,4.2	≤ 0.5 mm
VOC: ASTM D2369	< 15 g/ltr

## METHOD OF USE

### Substrate Preparation

- 🔧 All surfaces must be clean, dry and free from dust, oil, grease, paints or any loose material.
- 🔧 Concrete and cement based substrates must be sufficiently cured and dimensionally stable. Allow time for shrinkage and structural strain movements.
- 🔧 KingFix PS50 can be applied directly on gypsum board and other similar substrate without priming as long as these substrates are dry and free from any contaminates.
- 🔧 Tiles should not be placed over expansion and contraction joints, these joints should be filled with a suitable flexible sealant from the KINGKRETE KingsSeal range.

### Application

- 🔧 Apply a thin layer of the adhesive onto the substrate using the flat edge of the trowel.
- 🔧 Comb the adhesive with a suitable notched trowel horizontally to achieve a bed thickness of 2 - 5 mm.
- 🔧 Place the tiles with firm pressure to ensure proper contact with the adhesive.
- 🔧 It is always better to work in a manageable area that can be tiled within the open wet time of the adhesive.
- 🔧 Leave the tiled surfaces for 24 hours before grouting.
- 🔧 KingFix PS50 is compatible with KINGKRETE cementitious or epoxy tile grouts.



# KingFix<sup>®</sup> PS50

## STANDARDS

KingFix PS50 complies with ISO 13007-1 standard as a normal dispersion tile adhesive with slip resistance and extended open time characteristics (D1TE).

## CLEANING

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

## PACKAGING

KingFix PS50 is available in 5 and 25 kg buckets.

## YIELD

Approximately 1.45 - 1.55 m<sup>2</sup> per 5 kg at 2 mm thickness.

## 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.

## QUALITY AND CARE

All products originating from KingKrete's Qatar facility 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.

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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.