

# KingCoat® X100

Surface treatment for preventing efflorescence in tiles, concrete masonry units and stone

## APPLICATIONS

**KingCoat X100** is a transparent, ready for use, single component, water-based liquid specially formulated as a surface treatment to prevent water, salts, alkali and other contaminants from reaching the surface of the tiles, and hence it blocks efflorescence and prevents surface discoloration, streaks, and stains when applied on the back of porous tiles and natural stones. KingCoat X100 also works as a water-repellent when applied on tiles and natural stone.

## APPLICATIONS

**KingCoat X100** can be applied on tiles and natural stones in interior and exterior applications to prevent rising damp and block efflorescence. It can be used when tiling walls, floors, kitchens, bathrooms. It is ideal for concrete masonry units, masonry bricks, granite, marble, natural stones, terracotta and absorbent materials. KingCoat X100 can also be used to treat and protect stone façade against water and salt efflorescence.

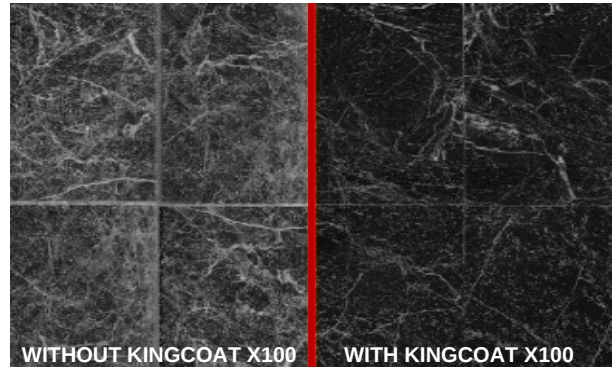
## ADVANTAGES

- ☞ Moisture tolerant.
- ☞ Water based, environmentally friendly.
- ☞ Prevents salt efflorescence.
- ☞ Prevents surface discoloration.
- ☞ Provides enhanced water-repellent, beading effect and lower water absorption when applied to the top of the tile & concrete masonry units.
- ☞ Very good resistance to dust and dirt pick-up when applied on the tile surface.
- ☞ Breathable, allows for water vapor release.
- ☞ Efficient barrier against migrating alkalis and Contaminants.

## METHOD OF USE

### Substrate Preparation

The Surface where the material is to be applied must be clean, dry, sound and free from oil, grease, curing compound, or any contamination. Both sides of the tile should be cleaned carefully removing any dust, residues, or loose particles.



## TECHNICAL PROPERTIES @ 25°C:

Appearance:	Clear
Specific Gravity:	1.04+/- .05
Water absorption compared to untreated sample: EN 1062-3, 24 hr	Stone: 85 - 90% reduction Marble: 40 - 50% reduction
UV resistance:	No yellowing or deterioration
VOC:	< 10 g/ltr (comply with LEED)

## APPLICATION

Apply KingCoat X100 evenly and continuously on the back and sides of the tiles or natural stone using a soft bristle brush or airless pump and avoiding any surface pooling.

If necessary, apply one or more coat depending on the porosity of the tiles, allow 30 minutes of drying time between coats. KingCoat X100 can also be applied on the top side of the tiles (6 sides) to create a water-repellent beading effect on the tile surface. Surface treatment for preventing efflorescence in tiles and stone.

Another application method is to immerse the tiles or stone facade in for approximately 30 seconds, dab the material with a clean dry cloth to remove any residues on the surface before it dries. Allow applied KingCoat X100 for 12 - 24 hours until completely dry before laying the tile



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## CLEANING

Tools and equipment can be cleaned with clean water while wet.

## PACKAGING

KingCoat X100 is available in 5 litre and 20 litre plastic pails and 200 litre plastic drums.

## COVERAGE

10 – 12 m<sup>2</sup> per litre depending on the porosity of the substrate.

## 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 & 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

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.

**KK-NA-04.2-CT-X100-R3-2601**

## 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.