

# KingStamp® AC100

High solids acrylic floor and wall sealer and curing compound

## DESCRIPTION

KingStamp AC100 is a high solid floor and wall sealer, dustproofer and curing compound based on solvent borne acrylic resin. The product is ideal for using internally and externally over decorative plasters, masonry surfaces, stamped concrete and concrete floors in light to medium duty trafficable areas.

KingStamp AC100 is also used as a curing compound and sealer for freshly placed concrete to retain sufficient moisture to ensure full hydration of the cement, while providing excellent adhesion to a variety of plasters and coatings.

KingStamp AC100 can be used as "look enhancer" of natural stone and decorative plasters and coatings.

## ADVANTAGES

- ☑ Durable finish that seals concrete and natural stone surfaces preventing penetration of oils and liquids.
- ☑ Dust proof.
- ☑ Abrasion enhancement.
- ☑ Improves concrete and mortar curing by protecting the cement hydration.
- ☑ Excellent adhesion to all types of plasters and coatings, such as cement, acrylic, bitumen, emulsion and epoxy resin based products.
- ☑ Easy application.
- ☑ Cost effective.

## STANDARDS

KingStamp AC100 complies with ASTM C309, Type I, Class A and B, and ASTM C1315, Type I, Class A.

## METHOD OF USE

### Substrate Preparation

The substrate must be sound, clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment.

Areas contaminated with oil or grease, should be treated with hot compressed air.

## TECHNICAL PROPERTIES

Colour:	Clear, can be coloured upon request
Density:	0.92 ± 0.05 g/cm <sup>3</sup>
Solids:	25 ± 1%
Viscosity: Brook field	1 ± 0.5 poise
Tack free time:	40 - 50 min
Foot traffic:	4 hr
Time between coats:	2 - 36 hr/clean substrate
Bond strength over C25/30 concrete: ASTM D4541	> 2 MPa (concrete failure)
UV Resistance:	Good
Moisture loss after 72 hr: ASTM C156	< 0.55 kg/m <sup>2</sup> (pass)
Water retention: ASTM C156	≥ 75%
VOC: ASTM D2369	≤ 700 g/ltr

## COATING

### Old concrete

Apply using brush or lambs wool roller, or airless spray machine. Apply 2 coats of KingStamp AC100 onto old concrete floors at a rate between 8 - 10 m<sup>2</sup> /litre.

### New concrete

For use as curing compound, apply in a single coat at a rate of 8 - 10 m<sup>2</sup>/litre. Second coat is optional.

KingStamp AC100 in general, comes as a clear liquid. However, for some special cures, it can be coloured. Clear KingStamp AC100 cures to clear glossy film. It is a UV stable, and after curing, it gives a wet look (colour enhancer) on substrates.

Note: For coloured sealer avoid applying under direct sunlight.

## PACKAGING

KingStamp AC100 is available in 4, 18 and 200 litre drums.

## CLEANING

Tools and equipment can be cleaned with KINGKRETE Solvent. Dried KingStamp AC100 should be removed mechanically.

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## COVERAGE

The coverage rate is 8 - 10 m<sup>2</sup>/litre, depending on concrete porosity.

Note: It is advisable to avoid over spreading of KingStamp AC100 on substrates.

## 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 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.