# KingFloor® Primer C

**High quality water based styrene acrylic copolymer emulsion for priming and sealing concrete and masonry substrates.**

## DESCRIPTION

KingFloor Primer C is a high quality clear, water-base styrene acrylic copolymer emulsion designed to seal interior and exterior concrete floors and masonry surfaces. KingFloor Primer C is suitable for brush, roll, or spray application, to bond fresh concrete and cementious systems to hardened concrete and masonry substrates.

## APPLICATIONS

KingFloor Primer C is used as sealer/primer for new and old concrete and masonry substrates.

The product is ideal for use as sealer/primer under cementitious flooring systems in warehouses, garages, workshops, food processing plants, production plants, showrooms, etc.

## ADVANTAGES

- One component, easy to use.
- High bond strength provides excellent adhesion on concrete and masonry substrates.
- Excellent flexibility.
- Excellent water resistance.
- Water based; moisture tolerant.
- Low VOC; complies with LEED requirements.

## METHOD OF USE

## SURFACE PREPARATION

The substrate should be sound, dry, fully cured (not subject to shrinkage) and free from oil, grease, dust and other contaminants. Any laitance or surface treatment materials must be removed by mechanical means such as grit blasting.

## APPLICATION

Apply KingFloor Primer C diluted with 3 parts of potable water with a low pressure spray to the prepared surfaces; Brush and roller can be used for small areas.

Apply 2 coats of KingFloor Primer C; The second coat should be applied at a right angle to the first coat.

The second coat may be applied as soon as the first

coat has initially dried. Drying time will depend on the substrate and the ambient conditions. If the over coating time is exceeded the first coat must be abraded with sand paper prior to the application of the second coat.

Adequate ventilation must be provided to ensure that necessary drying and curing of the material is achieved.

## TECHNICAL PROPERTIES

*@ 25°C*

| | |
|---|---|
| Colour: | Clear when dry |
| Density: | 1.01 ± 0.01 g/cm³ |
| Solid content: | 50 ± 2% |
| Minimum time between coats: | 2 hr @ 20°C |
| Application temperature | 5 to 35°C |
| Drying time: | 1:30 hr, depends on substrate porosity |
| VOC:<br>ASTM D2369 | < 30 g/ltr<br>(Complies with LEED) |

## LIMITATIONS

- KingFloor Primer C should not be applied at temperatures below 0°C.
- Do not apply if rain is expected within 8 hours.
- Do not apply to surfaces treated with curing compounds.

## CLEANING

Tools and equipment can be cleaned with water when product is still wet. Hardened materials should be cleaned mechanically.

## PACKAGING

KingFloor Primer C is available in 1, 5 and 25 litre packs.

## COVERAGE

The coverage rate is 16 - 17 m2/kg per coat to achieve dry film thickness of 30 microns per coat.

## 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.

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## 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.
® = 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.

**KingKrete Middle East**
**www.kingkrete.com**

Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet