

# KingPlast® R100

Single component, pre-mixed dash slurry coat.

## DESCRIPTION

KingPlast R100 is a polymer modified, ready to use cement based key coat, which when mixed with water produces a bonding agent layer between new plaster and fair face concrete.

## APPLICATIONS

Key bonding agent between plaster and smooth substrates including blocks (normal and light weight), fair faced concrete and concrete with micro-silica.

## ADVANTAGES

- ☐ Very good bonding agent between cement based substrates and newly applied cement based plaster.
- ☐ Easy to apply, single component, requires only addition of water.
- ☐ Suitable for internal and external application.

## STANDARDS

KingPlast R100 complies with ASTM C150, ASTM C897 and application standard ASTM C926.

## METHOD OF USE

### Substrate Preparation

Substrate must be clean and free from oil, grease, dust and laitance.

The substrate must be soaked with clean water before the application of KingPlast R100.

### Mixing

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

3 liters of clean water should be mixed with 25 kg bag of KingPlast R100 to achieve the needed uniform consistency (and 6 liters for the 50 kg bag).

### Application

Apply the KingPlast R100 using a tyrolean box or a power spray gun.

## TECHNICAL PROPERTIES

Colour:	Grey
Bulk density:	1.5 ± 0.1 g/ cm <sup>3</sup>
Fresh wet density:	2.2 ± 0.1 g/ cm <sup>3</sup>
Maximum aggregate size:	3 mm
Open time:	15 mins.
Working time:	100 mins.
Initial set:	180 mins.
Final set:	24 hrs.

## CURING

As KingPlast R100 is a cementitious based material, it should be cured in a similar manner to cement base materials. Soak the applied surfaces with water 2 - 3 times a day after setting.

## CLEANING

All tools should be cleaned immediately after application using fresh water. Hardened materials must be cleaned mechanically.

## PACKAGING

KingPlast R100 is available in 25 kg and 50 kg bags.

## YIELD

5.9 kg/ m<sup>2</sup> for 3mm thicknesses. However, the consumption is depending on the application method and the substrate finish.

## 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



# KingPlast<sup>®</sup> R100

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.

® = Registered trademark of the KingKrete-Group in many countries.

## K KK-ME-07.2-PL-R100-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.

### 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](http://www.kingkrete.com)

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

