KINGKRETE®
We Create Future

KingRep® AC50

Improved cementitious skim coat, smooth finishing and small filling putty plaster suitable for internal and external applications.

DESCRIPTION

KingRep AC50 is a polymer modified cementitious skim coat and smooth finishing plaster for internal and external applications specially designed to be over painted by decorative coats. KingRep AC50 is composed of a blend of cement, calcium carbonate, limestone, dry powders and selected polymers which when mixed with water produces a thixotropic creamy mortar suitable for plastering and filling the cracks and small holes on vertical and overhead surfaces.

APPLICATIONS

KingRep AC50 is designed for use internally and externally in applications such as:

- Skim coat and smoothing putty over concrete and cement based plaster to provide a smooth surface ready to be painted.
- Filling cracks, scratches and small holes before painting.

ADVANTAGES

- High resistance to weather conditions.
- Low absorption to water.
- Provides an excellent protection for the decorative painting layer against moisture.
- Shrinkage controlled cementitious plaster.
- Easy to apply, provides a smooth surface that can be easily hand sanded
- One component, requires only addition of water.
- Thixotropic properties, suitable for vertical applications.
- Easily applied by trowelling.

METHOD OF USE

Substrate Preparation

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

PRIMING

Normally no primer is required for the application of KingRep AC50. However, areas to be plastered should be soaked with clean water before applying the plaster, except for gypsum and plaster boards.

TECHNICAL PROPERTIES

Colour:	White or grey
Fresh wet density:	1.6 ± 0.1 g/cm³
Application thickness:	Up to 3 mm
Bulk density:	1.3 ± 0.1 g/cm³
Application temperature:	5 - 35°C
Working time:	60 - 90 min
Final setting time: ASTM C191	8 - 9 hr

MIXING

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

8.8 - 9.2 litres of clean water for each 20 kg bag should be added to clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm).

Mixing time should be continued until uniform consistency is obtained. Leave the mix for 5 minutes and stir again.

PLACING AND FINISHING

The suitable thickness of application is up to 3 mm per coat using stainless steel scraper or putty knife. If higher thickness is required another layer should be applied after the first layer has initially set using wet on wet technique. At higher applied thicknesses, small hair cracks may appear.

After full drying (24 hours), the surface should be smoothed using fine sand paper.

CLEANING

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

PACKAGING

KingRep AC50 is available in 20 kg bags.

YIELD

Approximately 18 litres per bag, which is 18 m² per 20 kg bag @ 1 mm thickness.

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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.
® = 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
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