KingRep ® AC100

Exterior grade thin coat cementitious smooth finishing and small filling putty plaster with weather and water resistance for all common types of substrates.

DESCRIPTION

KingRep AC100 is a polymer modified cementitious plaster and wall leveling material. KingRep AC100 is composed of a blend of cement, calcium carbonate, limestone, dry powders, selected polymers and fibers which when mixed with water produces a thixotropic creamy mortar suitable for plastering and leveling on vertical surfaces.

APPLICATIONS

External skim coat plastering of concrete ceilings and blocks surfaces. When applied, it results in a smooth surface that can be easily hand sanded.

ADVANTAGES

- Water and weather resistance.
- Shrinkage controlled polymer modified cementitious plaster.
- Easy to apply, one component, requires only addition of water.
- The prepared surface is free from cracks and ready to be painted.
- Low absorption to water.
- Thixotropic properties allowing extra high build, for use in vertical applications.
- Suitable for filling cracks, holes and scratches before painting.
- Can be 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 AC100, 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:	1.7 ± 0.1 g/cm³
Application thickness:	Up to 2 mm as a coat Up to 3 mm as crack filling
Bulk density:	1 g/cm³
Application temperature:	5 - 35ºC
Adhesion strength:	> 1.5 MPa
Working time:	60 - 90 min
Initial set:	3 - 4 hr
Final set:	24 hr

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. 10 - 12 litres of clean water 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 2 mm per coat using stainless steel spatula. If higher thickness is required another layer should be applied after the first layer has initially set (3 - 4 hours) using wet on wet technique. At higher applied thicknesses, small hair cracks may appear.

KingRep AC100 is applied by trowel. The mixed mortar should be applied using firm pressure to fully compact the mortar and ensure good adhesion to the substrate.

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.

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PACKAGING

KingRep AC100 is available in 25 kg bags.

YIELD

Approximately 22 litres/bag, which is 22 m²/25 kg bag @ 1 mm thickness.

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 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.

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