

KingPlast® DC100

Single component colored stucco decorative wall finishing plaster.

DESCRIPTION

KingPlast DC100 is a polymer modified cement decorative wall finishing stucco plaster applied in 2 – 3 mm thickness. KingPlast DC100 is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a consistent cementitious mortar.

APPLICATIONS

KingPlast DC100 is designed as a decorative wall finishing plaster to be applied in 2 – 3 mm thickness on rendering and concrete walls to produce an artistic textured wall finish.

ADVANTAGES

- ☒ Shrinkage controlled polymer modified plaster.
- ☒ No independent primer necessary.
- ☒ Easy to apply, single component, requires only addition of water.
- ☒ Curing not generally required.
- ☒ Excellent bond to the substrate.
- ☒ Available in many colors.

METHOD OF USE

SURFACE PREPARATION

All substrates must be sound and clean and all contaminants must be removed prior to the application of KingPlast DC100.

PRIMING

Normally no primer is required for the application of KingPlast DC100, however, areas to be plastered should be soaked with clean water before applying the plaster. Where increased bonding is required, or where plastering is to be applied on smooth fare faced surfaces.

Two priming methods are recommended:

- ☒ Using Acrylic Primer as KingBond SBR and to apply the plaster while the primer is still tacky (20 - 40 minutes depending on ambient temperature).
- ☒ Using a dash slurry coat which will enhance dramatically the bond of plaster with the smooth substrate. For more information of the dash slurry coat, KINGKRETE Technical Department can be consulted.

MIXING

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

TECHNICAL PROPERTIES

Colour:	Variable
Fresh wet density:	1.90 ± 0.1 gm/ cm ³
Working time:	≈ 1.5 – 2 hrs
Compressive strength: (wet cure) ASTM C109/109M-02	> 10 MPa @ 28 days
Minimum application temperature:	5°C
Maximum aggregate size:	1 mm

The following results were obtained at a water : powder ratio of 0.2 by weight.

5.0 – 5.5 liters 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 for 3 minutes until uniform consistency is obtained.

Water addition may vary slightly according to both the ambient temperature and the desired consistency of the mix, but it should not exceed 5.5 liter.

APPLICATION

KingPlast DC100 should be applied by steel trowel. Apply the mixed KingPlast DC100 to the prepared substrate, up to 10 mm thickness. It should be applied with the minimum of working and be allowed to partly set before finally trowelling to a smooth finish.

If a very smooth finish is required, a small amount of water may be flicked on to the surface to the KingPlast DC100 with a paint brush prior to final trowelling.

CURING

As KingPlast DC100 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.

For colored decorative finish, soaking with clean water must be done uniformly to all the applied area. Then it is recommended to use a water repellent material like KingCoat WR. This procedure is important to prevent the efflorescence effect.

CLEANING

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



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PACKAGING

KingPlast DC100 is available in 25 kg bags.

YIELD

Approximately 16 liters/ bag.

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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Ref: KK-10058-MEA-R01 | Issue: 01.2026

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.

