KingPlast ® C50

Spray applied, fiber reinforced exterior grade leveling plaster.

DESCRIPTION

KingPlast C50 is a polymer modified, ready mixed cementitious leveling plaster for internal and external applications.

KingPlast C50 composed of a blend of cement, well graded sand, dry powders, polymers and fibers that produced when mixed with water a smooth mortar that can be easily applied by spray machine on vertical and overhead surfaces for a faster and easier application process.

APPLICATIONS

Large scale plastering work on concrete and blocks surfaces internally and externally.

ADVANTAGES

- Spray applied, for higher productivity process.
- Suitable for vertical and overhead applications.
- Improved bond strength.
- High impact resistance.
- High condensate resistance.
- Easy to apply, one component, requires only addition of water.
- Suitable for internal and external applications.
- Economical.

STANDARDS

KingPlast C50 complies with ASTM C150, Type I.

METHOD OF USE

Substrate Preparation

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

Priming

Primer is not normally necessary prior to the application of KingPlast C50. 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 fairfaced surfaces.

TECHNICAL PROPERTIES

Colour:	Grey
Fresh wet density:	1.7 ± 0.1 g/cm³
Maximum aggregate size:	< 1 mm
Working life:	≈ 1.0 hr
Fire index: EN 998-1	Class A1
VOC: ASTM D2369	< 10 g/ltr (complies with LEED)

Two priming methods are recommended:

- Using a polymer modified resin based primer such as Proplast Contact Primer. KingPlast C50 should be applied after 24 hours after Proplast Contact Primer.
- Using a key coat like Proplast RC100 or Proplast RC50 which will enhance dramatically the bond of plaster. The substrate must be soaked with water before applying the plaster. For more information of the slurry coat, KINGKRETE Technical Department can be consulted or check the Technical Data Sheet for Proplast RC100 and Proplast RC50.

Mixing

KingPlast C50 is designed to be applied using spray machine; the typical dosage of water for each 25 kg bag of KingPlast C50 is 4 - 4.5 litres. The quantity of water is dependable on the final consistency required by spray equipment, but in general, flow rate of 325 litres per hour is a suitable average to start with.

PLACING AND FINISHING

The suitable thickness of application is up to 15 mm. If higher thickness is required another layer should be applied after the first layer has initially set (3 - 6 hours) using wet on wet technique.

KingPlast C50 is applied by spray machine on the prepared surfaces. Finishing and leveling should be carried out initially by aluminum straight edge. Final finishing should be carried out using a slightly water dampened steel float.

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CURING
As KingPlast C50 is a cement 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 use with fresh clean water. Hardened materials should be cleaned mechanically.

PACKAGING
KingPlast C50 is available in 25 and 50 kg bags.

YIELD
Approximately 17 - 18 litres per 25 kg bag and 34 - 36 litres per 50 kg 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 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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