KingPlast ® CE75

Flexible fiber reinforced exterior grade cementitious decorative plaster with high mould, UV, weather, frost, impact and water resistance

DESCRIPTION

KingPlast CE75 is a polymer modified cement wall finishing decorative plaster applied in up to 3 mm thickness. KingPlast CE75 is supplied as a ready mixed blend of dry powders which requires only the site addition of clean water to produce a consistent cementitious mortar.

APPLICATIONS

KingPlast CE75 is designed as a decorative wall finishing plaster to be applied up to 3 mm thickness on render and concrete walls to produce an artistic textured wall finish.

ADVANTAGES

- High mould resistance.
- High UV resistance.
- High weather resistance.
- Shrinkage controlled polymer modified plaster.
- Easy to apply, one component, requires only addition of water.
- Excellent bonding.
- Suitable for internal and external applications.
- Available in many colours.

METHOD OF USE

Surface Preparation

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

Priming

Areas to be plastered should be socked with clean water before applying the plaster. In order to minimize the appearance of efflorescence and to enhance the bond strength between KingPlast CE75 and smooth surfaces such as fairfaced concrete, it is recommended to use a polymer modified resin based primer such as KingPlast Contact Primer. KingPlast CE75 should be applied after 24 hours after KingPlast Contact Primer dries.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. 5.0 – 5.5 litres of clean water should be added to a 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.

TECHNICAL PROPERTIES @ 25^{0}C:

The following results were obtained at a water : powder ratio of 0.2 by weight.	
Fresh wet density:	1.90 ± 0.1 g/cm^3
Working time:	≈ 1.5 – 2 hr
Compressive strength: (wet cure) ASTM C109/109M-02	> 10 MPa @ 28 days
Minimum application temperature:	5^0 C
Maximum aggregate size:	1 mm
VOC:	< 10 g/ltr

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 litre.

Application

KingPlast CE75 should be applied by steel trowel or hopper spray gun. Apply the mixed KingPlast CE75 to the prepared substrate, up to 3 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 CE75 with a paint brush prior to final trowelling.

After the initial setting time -usually 2 to 3 hours at normal conditions- it is recommended to apply a coat of KingKure 100A over the finished surface.

Beside its efficiency as a curing compound, KingKure 100A will work as sealer and protective abrasion resistance coat as well as deepening the finishing coat colour with semi- gloss finish.

Note: Traditional curing by water will encourage the appearance of efflorescence and cause some colour variation especially when dark colours are used.

CLEANING

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

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PACKAGING
KingPlast CE75 is available in 25 kg bags.

YIELD
Approximately 16 litres/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 Qatar facility 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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