

KingPro[®] CEM

Water resistant, high performance cementitious skim coat and smooth putty plaster for internal and external applications.

DESCRIPTION

KingPro CEM is a polymer modified cementitious skim coat, smooth finishing and wall putty plaster specially designed to be over painted by decorative paints in internal and external applications.

KingPro CEM composed of unique composition of cement, limestone, dry powders, selected polymers and special hydrophobic additives which when mixed with water produces a creamy paste suitable for plastering and filling small cracks and pinholes on vertical and overhead surfaces in dry or humid conditions.

APPLICATIONS

KingPro CEM is designed to withstand humid conditions and moisture internally and externally when applied in different applications such as:

- ☐ Skim coat and smooth putty over fairfaced concrete and cement based plaster to provide a smooth surface ready to be painted.
- ☐ Filling small cracks, scratches and pinholes.

ADVANTAGES

- ☐ Provides an excellent protection for the decorative painting layer against moisture.
- ☐ High resistance to weather conditions.
- ☐ Low absorption to water.
- ☐ 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.
- ☐ Easily applied by scraper or putty knife.

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 KingPro CEM. 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/cm ³
Application thickness:	Up to 3 mm
Bulk density:	1.3 ± 0.1 g/cm ³
Application temperature:	5 to 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.

YIELD

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

PACKAGING

KingPro CEM is available in 20 kg bags.

CLEANING

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



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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 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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KingKrete-Qatar/KingPro_CEM_02/v2/07_19

STATEMENT OF RESPONSIBILITY

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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.

