KingCoat® Primer P

Epoxy based primer.

DESCRIPTION

KingCoat Primer P is a multi-component solvent based epoxy primer especially formulated to be used in conjunction with KingCoat A100 to significantly improve its adhesion characteristics on steel and concrete surfaces.

KingCoat Primer P is supplied in form of epoxy base material and hardener which should be mixed together prior to using, it can be also supplied with a colour pack to match the colour of the topcoat material and thus lower the consumption of KingCoat A100 and provide a uniform finishing.

ADVANTAGES

- Significantly improves the adhesion of KingCoat A100 over concrete and steel substrates.
- Easy to apply, can be spread by roller, brush or airless spray.
- Can be supplied in different colours to match the colour of the topcoat material.

METHOD OF USE

Substrate Preparation

Concrete substrates should be sound, clean and free from contaminations. Surface laitance should be removed by grit blasting or water jetting. All exposed pinholes should be filled with epoxy paste using KingRep EP10.

Steel substrates should be grit blasted to reach a bright finish meeting the requirement of Swedish Standard SA 2 1/2.

MIXING

Prior to mixing, stir individual components to disperse any settlement.

Add the entire content of the colour pack (if available) into the base container and mix with heavy duty drill for 2 minutes till a uniform colour is achieved. Add the entire content of the hardener to the base and mix thoroughly for 2 - 3 minutes.

APPLICATION

Use brush, lamb's wool roller, or airless spray machine to apply. KingCoat Primer P should be applied on the prepared substrates at a rate of 5.5 - 6.5 m2/kg to achieve 70 - 80 microns dry film thickness.

KingCoat Primer P should be left to completely reach a tack-free condition before being overcoated with KingCoat A100, typically, this can be achieved within 6 to 24 hours at normal ambient conditions.

TECHNICAL PROPERTIES

Mixed density:	1.35 ± 0.05 g/cm3
Pot life:	2.5 - 3.5 hr
Over-coating time: Minimum Maximum	6 hr 24 hr
Full cure:	7 days
Bond strength on C25/30 concrete: ASTM D4541	≥ 2.0 MPa @ 7 days (concrete failure)

CLEANING

All tools should be cleaned immediately after application using DCP Solvent. Hardened materials must be cleaned mechanically.

PACKAGING

KingCoat Primer P is available in 5 kg packs (3.85 litre) and 20 kg packs (15.4 litre).

COVERAGE

Approximately 5.5 - 6.5 m2/kg to achieve 70 - 80 microns dry film 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.

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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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