

KingFloor® CP Seal

Three component polyurethane cove pack sealer.

DESCRIPTION

KingFloor CP Seal is a three component water based polyurethane coating designed to be used in conjunction with KingFloor CP. KingFloor CP Seal is used to seal the semi-porous KingFloor CP providing a coloured seamless hygienic wall and floor system.

KingFloor CP Seal has very good resistance to many of the chemicals commonly found in industrial environment (consult our Technical Department for further details).

KingFloor CP Seal can be supplied in a range of colours (consult our Sales Department for further details).

APPLICATIONS

KingFloor CP Seal is designed for applications where high hygienic flooring is required with high resistance against impact, thermal shock, abrasion and chemicals.

KingFloor CP Seal is suitable for use in dairies, breweries, food processing areas, cold stores, freezer rooms, kitchens, etc. KingFloor CP Seal can be steam cleaned and is resistant to boiling water and process liquids.

ADVANTAGES

- ☐ Provides hygienic floors.
- ☐ Resistant to boiling water and to a wide range of chemicals (consult KINGKRETE Technical Department for more details).
- ☐ Hard wearing.
- ☐ Easy to clean.
- ☐ Resistant to freeze/thaw cycles.

Note: KingFloor CP Seal is not colour stable and may discolour on ageing and exposure to UV light, especially with light colours. This will not adversely affect the performance of the product.

METHOD OF USE

Surface Preparation

The surface of the KingFloor CP must be clean, dry and free of dust laitance, oils, paints or other forms of contamination prior to applying KingFloor CP Seal.

TECHNICAL PROPERTIES @ 25°C:

Appearance:	Matt finish
Color:	Available in a range of colours
Mixed density:	1.45 ± 0.05 g/cm ³
Working time:	20 - 25 min @ 25°C 10 - 15 min @ 35°C
Tack-free time:	1 hr
Maximum overcoat time:	24 hr
Full cure:	7 days
Application temperature:	5 - 35°C
Maximum Wear depth: EN 13892-4	0.01 mm
VOC: ASTM 2369	< 20 g/ltr

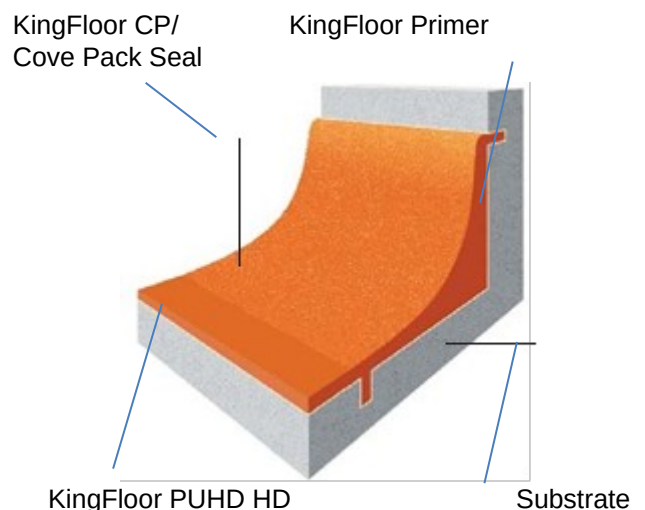
Priming

The KingFloor CP Seal does not need to go onto a primed surface.

Mixing

Mix the aggregate with resin component thoroughly to form a paste like consistency then add the hardener and continue to mix.

Important: Never mix KingFloor CP Seal by hand as this could lead to areas of uncured material.



APPLICATION

KingFloor® CP Seal

On completion of mixing, immediately apply KingFloor CP Seal by brush or roller to form a smooth and even coat. Apply second coat, if required, within overcoating time. Do not apply too thickly as this can lead to a reduced cure speed and inconsistency of colour.

Note: Never leave the mixed KingFloor CP Seal to stand for any length of time before application, as this will considerably shorten its working time.

Working Time

KingFloor CP Seal has a working time of approximately 20 to 25 minutes at 25°C.

Working Conditions

KingFloor CP Seal should not be applied at temperatures less than 5°C and not higher than 35°C.

CLEANING

Tools should be cleaned with water immediately after use.

PACKAGING

KingFloor CP Seal is available in 3 kg (2 ltr) packs.

COVERAGE

Approximately 3 – 5 m²/kg per coat onto the KingFloor CP.

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.

Chemical Resistance after full cure (28 days @ 25°C), ASTM D1308 (Spot - test @ 1 hr)

Organic acids

Lactic Acid 10%	R
Oleic Acid sat.	R
Citric Acid 25%	R
Acetic Acid 10%	R
Tartaric Acid 10%	R

Inorganic bases

Sodium Hydroxide 40%	R
Ammonia Solution 10%	R
Potassium Hydroxide 50%	R

Aqueous solutions

Sodium Chloride sat.	R
Chlorinated water	R

Solvents

White spirit	R
Xylene	R

Oils & fuels

Brake oil	R
Engine oil	R
Diesel	R
Petrol	R
Hydraulic oil	R

Inorganic acids

Sulphuric Acid 25%	R
Phosphoric Acid 20%	R
Hydrochloric Acid 10%	R
Nitric Acid 10%	RS

Sugar flavourings

Sugar Solution sat.	R
Glucose Syrup sat.	R

Carbonated beverages

Pepsi/Coca Cola	R
Miranda/Fanta	R
7UP	R

Electrochemical solutions

Copper Sulphate 1M	R
Zinc Sulphate 1M	R

Fruit juices

Orange juice	R
Apple juice	R
Lemon juice	R

Fats

Vegetable oil	R
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Cleaning aids

Dish washing liquid	R
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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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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.

