KINGKRETE®
We Create Future

KingCoat® PU

High performance one component polyurethane based protective coating.

DESCRIPTION

KingCoat PU is a high quality UV resistant polyurethane coating. It is supplied as one component product ready for use. KingCoat PU can be applied externally and internally to concrete and asphalt surfaces. KingCoat PU will provide maximum protection to a variety of surfaces exposed to aggressive environments as in light industrial areas.

APPLICATIONS

KingCoat PU is designed for external and internal application areas such as:

- Roads, motor ways and run ways.
- Car parks, playground and tennis court topping.
- Concrete surfaces, asphalt and tarmac.

ADVANTAGES

- Highly durable and tough wearing marking paint.
- Quick drying easy to apply (one component).
- High opacity and available in different colours.
- Excellent adhesion to all types of new (28 days) and old concrete.

METHOD OF USE

Substrate Preparation

Concrete surfaces:

The Substrate should be dry, sound, clean and free from contamination. Surface Laitance should be removed by grit blasting or water jetting. All exposed blow holes should be filled with epoxy paste using KingRep 20.

Steel surfaces:

All surfaces should be grit blasted to reach a bright finish meeting the requirement of Swedish Standard SA 2 1/2 before applying the KingCoat PU Primer.

KingCoat PU Primer:

is a 2 packs anti-corrosion primer system is used to treat ready steel surfaces. Touch dry of the primer is 2 hours @ 25°C and over coating time internal is minimum 16 hours.

Note: Drying time is dependent on film thickness, wind velocity, relative humidity and substrate temperature.

TECHNICAL PROPERTIES

Density:	1.3 ± 0.05 @ 25°C
Colour:	Available in variety of colours like grey, dark grey, red, green and clear
*Initial drying time:	1 hr @ 25°C 0.5 hr @ 35°C
*Over coating time:	@ 25°C Minimum 4 hr for KingCoat PU Minimum 16 hr for KingCoat Primer PWB
Minimum application temperature:	5°C
Solids: (ISO 3251 : 2008) % wt	70 ± 5%
Falling sand abrasion: ASTM D968 : 2005	> 50 ltr sand
Falling sand abrasion after accelerated weathering: ASTM D4587 2005 using Q.UV 4 hr, U.V/60°C/4 hr condensation/50°C for more than 300 hr	> 40 ltr sand
Directional reflectance: T.T.P – 115F : 1984 (luminance factor)	> 90%
Directional reflectance after accelerated weather- ing for than 300 hrs: (luminance factor)	> 88%
Water submersion for 24 hr @ 25°C ISO 1519 : 2000	Passed
Consistency: ASTM D562 : 2001 (krebs unit)	95 ± 5

KingCoat® PU

High performance one component polyurethane based protective coating.

APPLICATION

KingCoat PU can be applied by brush; roller or airless spray machine. The first coat should be applied to obtain a continuous uniform coating.

The second coat (if needed) should be applied after the overcoating time to achieve the maximum adhesion between the two coats.

REMARKS

- If surfaces are subjected to moisture or rising damp, like basements or ground level floors, a water proofing membrane should be included to avoid possible blistering or flaking of the coating.
- For asphalt and similar surfaces, new asphalt must be aged at least 28 days before coating.
- Better not to apply the material if substrate temperature above 40°C.

CLEANING

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

PACKAGING

KingCoat PU is available in 5 litre packs and 18 litre packs.

KingCoat PU Primer is available in 5 kg packs (3.45 litre).

COVERAGE

KingCoat PU approximately 6 - 7 m²/ltr per 100 microns coat.

KingCoat PU Primer 7 - 10 m²/ltr to give 40 - 70 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.

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.
® = Registered trademark of the KingKrete-Group in many countries.

Ref: KK-06029-MEA-R01 | Issue: 01.2026

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.

KingKrete Middle East
www.kingkrete.com

Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet