

# KingSeal® Primer PU

Single component solvent based polyurethane primer.

## DESCRIPTION

KingSeal Primer PU is a low viscosity single component solvent based moisture cure polyurethane primer especially formulated to significantly enhance the adhesion of polyurethane and polysulphide sealants with the most common porous and nonporous construction substrates.

## APPLICATIONS

KingSeal Primer PU is used to enhance the bond between polyurethane and polysulphide sealants and the substrates in the following applications:

- ☒ High porous substrate such as normal grade concrete, mortar and red bricks.
- ☒ Impervious substrates such as aluminum, steel and glass.
- ☒ Rubber and asphalt surfaces.

## ADVANTAGES

- ☒ Significantly improves the adhesion of polyurethane and polysulphide sealants over several construction substrates such as concrete, asphalt, galvanized steel, aluminum and glass.
- ☒ Increases the service life of the sealing system.
- ☒ Easy to use, single component product that does not need mixing.

## METHOD OF USE

## SURFACE PREPARATION

The substrate should be sound, clean and free from contaminations. Surface laitance should be removed by light scrubbing or grit blasting.

## APPLICATION

Stir the product well before use, KingSeal Primer PU can be applied by a brush or roller. One or two successive coats of KingSeal Primer PU should be applied at a rate of 5 - 10 m<sup>2</sup>/ litre depending on the porosity of the substrate.

KingSeal Primer PU should be overcoated with the sealant while still tacky to achieve optimum adhesion strength.

Care must be taken in the application of the material according to the coverage rate, as different thicknesses might adversely affect the adhesion and durability.

Note: KingSeal Primer PU is not recommended for application over highly humid substrate (i.e. substrates with RH greater than 80%). Consult KINGKRETE's Technical Department for further information.

## TECHNICAL PROPERTIES

Colour:	Clear brownish
Density:	0.98 ± 0.02 g/cm <sup>3</sup>
Volume solid:	40 ± 5%
Minimum over-coating time:	4 hr
Maximum over-coating time:	24 hr
Application temperature:	10 to 35°C

## CLEANING

All tools should be cleaned immediately with paper towels after finishing and then wiped using KINGKRETE Solvent PU.

## PACKAGING

KingSeal Primer PU is available in 1 litre, 4 litre and 20 litre packs.

## COVERAGE

KingSeal Primer PU should be applied in one coat or two successive coats at a rate of 5 - 10 m<sup>2</sup>/ltr depending on the substrate porosity to achieve a dry film thickness of 40 - 80 microns per layer.

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

Ref: KK-05017-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

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