

# KingProof<sup>®</sup> PUT200

**Solvent-free two component polyurethane waterproofing.**

## DESCRIPTION

KingProof PUT200 is a two component elastomeric coating based on polyurethane resins which can be used as waterproofing of water tanks and in contact with potable water.

## APPLICATIONS

- ☐ Waterproofing of water retaining structures made of concrete or steel.
- ☐ Waterproofing of potable water tanks.
- ☐ Concrete surfaces with movement due to expansion and contraction.
- ☐ Waterproofing of irrigation channels.

## ADVANTAGES

- ☐ Can be in contact with potable water.
- ☐ Solvent-free.
- ☐ Chemical curing.
- ☐ Adheres to most common construction substrates.
- ☐ Good chemical resistance.

## LIMITATIONS

KingProof PUT200 may yellow when left exposed to sunlight.

## METHOD OF USE

### Surface Preparation

The surface should be clean, dry, sound and free from oil, grease and wax contamination. Cement laitance, loose particles, mould release agent or curing membranes must be removed. Fill the surfaces irregularities with suitable product.

### Priming

For concrete substrate which will be subjected to negative water pressure, KingProof Primer W should be applied and left to cure before applying KingProof PUT200.

## APPLICATION

Mix the two components of KingProof PUT200 with a low speed mixer (300 rpm). Keep the mixture cool and away from the sun. Apply the material with a roller in two coats leaving between each coat at least 6 hours and not more than 48 hours.

## TECHNICAL PROPERTIES

Colour	Grey & off white
Solid content	100%
Specific gravity	1.35 ± 0.05
Recoat time	6 – 48 hr
Pot life	20 - 30 min @ 25°C
Hardness shore D: ASTM D2240, DIN 53505, ISO R868	40 ± 5
Elongation at break: ASTM D412	> 100%
Tensile strength: ASTM D412	20 MPa
Water absorption: DIN 53495	< 0.5%
Adhesion to concrete: ASTM D4541	> 2 MPa

## CONSUMPTION

First coat: 0.7 kg/m<sup>2</sup>.  
Second coat: 0.7 kg/m<sup>2</sup>.  
Total consumption: 1.4 kg/m<sup>2</sup> to give 1 mm dry film thickness.

## CLEANING

All tools should be cleaned after finishing with paper towels and then wipe by using KINGKRETE solvent PU. Do not try to clean the rollers.

## PACKAGING

KingProof PUT200 is available in 9 kg and 24 kg packs.

## 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.



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## 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/KingProof\_PUT200\_02/v2/07\_20

### 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.

