

# KingBond® PUWQ

High performance single component, moisture curing polyurethane adhesive for parquet floors

## DESCRIPTION

KingBond PUWQ is a single component moisture curing polyurethane adhesive that has a variety of usages when it comes to bonding wood and synthetic parquet products to different substrates such as concrete, tiles, natural stone, and wood.

## APPLICATIONS

KingBond PUWQ is used to bond a variety of products to different substrates including:

- ☒ Specialty and laminated parquet flooring.
- ☒ Resin impregnated parquet flooring.
- ☒ Plywood, teak, bamboo, and varnished parquet flooring.
- ☒ Paving woodblocks.
- ☒ Standing timber.
- ☒ Acoustic underlays.

## ADVANTAGES

- ☒ Excellent adhesion to most commonly used substrates including wood, stone, and concrete.
- ☒ Rapid curing.
- ☒ Excellent open time.
- ☒ Excellent service temperature range.
- ☒ Weather and waterproof.

## METHOD OF USE

### Substrate Preparation

All surfaces should be cleaned of all dirt, laitance, foreign matters and curing compounds. Any issues of rising dampness shall be treated prior to application. The humidity of the parquet flooring should be between 7 and 11%. Substrate humidity level shall be below 3% (< 0.5% for anhydrite screeds). Maximum surface level tolerance shall be 5 mm under a 2 m ruler. Where high irregularities in the surface exist; treat with KingFloor C50T as per the technical datasheet instructions. Where anhydrite screeds exist as a substrate; surface abrasion and roughening is required using a grade 60 mesh sand paper or other suitable mechanical means. Where a system of floor heating is used, a 48 hours period of down time is required prior to application and a further 7 days waiting period is needed prior to heat commissioning is required after application.

## TECHNICAL PROPERTIES

Appearance:	Pasty
Colour:	Beige
Shore A hardness: ISO868 - 3 sec.	50
Application temperature:	15 - 35°C
Service temperature:	-40 - 90°C
Mixed density:	1.60 ± 0.05 gm/ cm <sup>3</sup> @ 20°C
Skin formation @ 23°C/ 50% RH:	70 - 120 mins.
Open time @ 20°C / 50% RH:	60 mins.

## PLACING AND FINISHING

Though KingBond PUWQ is recommended to be applied at 15°C and above. A minimum allowable application temperature of 5°C can be accepted when taking the precaution of storing cartridges at 20°C.

Spread the paste uniformly onto the substrate using an appropriate trowel or spatula. Lay the wood lathes into the wet adhesive film and check for proper transfer on the lath back side. Allow for a gap of 10 to 20 mm all alongside the walls and leave the floor undisturbed for a period of 12 hours at 20°C and 48 hours where ambient temperature is 5°C. Allow an additional 24 hours prior to sanding.

## ACOUSTIC UNDERALYS

Fibred or based cork under layers can be laid with KingBond PUWQ using a serrated spreader. In order to accelerate the adhesive curing a water mist spray of 20 g/ m<sup>2</sup> is acceptable. Allow for curing prior to parquet placing as indicated above.

## CLEANING

All equipment should be cleaned immediately after finishing by thinner.

Hardened adhesives can be removed mechanically.

## PACKAGING

KingBond PUWQ comes in cartons containing one pouch of 6 kg. 18 kg buckets containing 3 pouches of 6 kg.

## CONSUMPTION

800 to 1200 g/m<sup>2</sup> depending on the substrate.



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## 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.

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Ref: KK-10019-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.

