

# KingFloor® PULDS

## Self-leveling polyurethane floor topping.

### DESCRIPTION

KingFloor PULDS is a three-packs solvent free flexible, polyurethane based topping that provides floor surfaces with a seamless, hygienic and cosmetically attractive gloss finish.

KingFloor PULDS is flow applied by trowel to horizontal surfaces and has very good durability towards pedestrian and vehicular traffic. It also has very good resistance to many of the chemicals commonly found in an industrial environment (consult our Technical Department for further details).

It can be supplied in a variety of colours (consult our Sales Department for details).

### APPLICATIONS

KingFloor PULDS is used to provide a hygienic, dense and hard wearing surface for concrete floors for a wide range of applications such as:

- 🏥 Hospitals.
- 🏥 Pharmaceutical factories.
- 🏥 Showrooms.
- 🏥 Laboratories.
- 🏥 Light industrial plants.
- 🏥 Kitchens.

### ADVANTAGES

- 🏥 Provides hygienic floor.
- 🏥 Flexible and wearing system.
- 🏥 Solvent free.
- 🏥 Light weight.
- 🏥 Resist a wide range of chemicals, consult KINGKRETE technical department for more details.

### STANDARDS

KingFloor PULDS complies with EN 13813, SR-B2.0-AR0.5- IR10.

### METHOD OF USE

#### Surface Preparation

The surface must be clean, dry (less than 75% RH measured by hygrometer) and free of laitance.

To ensure a good bond to the substrate, a 20mm deep x 8mm wide rebate should be cut around the edges of the floor. 150mm from the walls and running parallel to them.

For treatment of surfaces containing expansion joints, consult our Technical Department.

### TECHNICAL PROPERTIES @ 25°C:

Mixed density:	1.55 ± 0.05 g/cm <sup>3</sup>
Pot life:	30 min
Foot traffic:	After 12 hr
Chemical curing:	After 7 days
Tensile strength: BS 6319, Part 7	> 6 MPa
Bond strength: BS EN 13892-8 ASTM D4541	> 2 MPa (concrete failure)
Maximum wear depth: BS EN 13892-4	0.01 mm
Impact resistance: ISO 6272-2	> 10 N.m
Flow: ISO 554	> 16 cm
Taber abrasion resistance: (1000 g, 1000 cycle) ASTM D4060, weight loss H22 wheel CS17 wheel	400 milligram 60 milligram
VOC: ASTM D2369	< 10 g/ltr

### Priming

The surface must be primed with KingFloor Primer prior to application of KingFloor PULDS.

*Note:* More than one coat may be required for highly porous or textured surfaces.

### Mixing

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the KingFloor PULDS hardener container into the resin container and using a jiffy-type mixer attached to a slow-running electric drill, mix for approximately for 2 minutes. Once the KingFloor PULDS hardener, and resin pack have been mixed, transfer all the mixed material into a Casco or Creteangle-type mixer, taking care to ensure that the bottom and sides are thoroughly scraped.

Start the mixer and transfer to it the entire contents of the KingFloor PULDS Filler container, taking care to ensure that these are completely dry and lump-free. Continue mixing for approximately two minutes.

*Note:* Never mix KingFloor PULDS by hand as this could lead to areas of uncured material.

### APPLICATION

Once mixing is complete, transfer the KingFloor

# KingFloor<sup>®</sup> PULDS

PULDS to the prime surface at the required thickness by rack.

Care should be taken when joining the lanes, to achieve a smooth connection. It is recommended to mask off edges with tape which is then removed while KingFloor PULDS is still wet.

Note: Never leave the mixed KingFloor PULDS kit to stand for any length of time prior to application as this will considerably shorten its working time.

## Working Conditions

KingFloor PULDS should not be applied at temperatures less than 5°C.

## FINISHING

While still wet, thoroughly spike roll the KingFloor PULDS.

## REMARKS

- ⚠ KingFloor PULDS should not be applied on to surfaces known to suffer from damp rising.
- ⚠ KingFloor PULDS should not be applied at temperatures below 5°C or where ambient relative humidity exceeds 80%.

## CLEANING

KingFloor PULDS can be removed by KINGKRETE solvent prior setting.

## PACKAGING

KingFloor PULDS is available in 16 kg packs. (10.5 litre). KingFloor Primer is available in 5 kg packs.

## THICKNESS RANGE

1 - 3 mm.

## COVERAGE

Approximately 10m<sup>2</sup> per kit @ 1mm thick.

## 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 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.

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

## R3-2601

## 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.