KINGKRETE®
We Create Future

KingFloor® PUHD System

Heavy-duty polyurethane floor screed

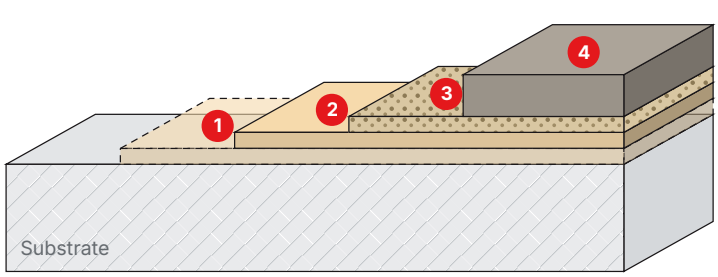
SYSTEM OVERVIEW

System reference	FL-PU-PUHD	**Resin base**	Polyurethane
Layers	3 + 1 optional	**Document**	System Information Sheet, issue 01.2026

A three-pack water-based polyurethane screed over an epoxy primer. A thick, seamless, slip-resistant, heavy-duty floor for the most demanding industrial use.

SYSTEM BUILD-UP

Applied in this order, from the substrate up. Layers drawn with a dashed outline are optional.



1. KingFloor Primer DPM
2. KingFloor Primer
3. Quartz aggregate 0.7 - 1.2 mm (dry)
4. KingFloor PUHD

Indicative drawing, not to scale.

No.	Product	Function	Rate or thickness
–	**Substrate**	Concrete, clean, dry (below 75% RH, or with DPM primer), free of laitance; 20 x 8 mm anchor rebate 150 mm from walls and edges	
1	**KingFloor Primer DPM** (optional) *One coat at 75-85% RH, two coats above 86% RH.*	Damp-tolerant pre-primer	
2	**KingFloor Primer** *More than one coat on porous or textured surfaces.*	Primer	
3	**Quartz aggregate 0.7 - 1.2 mm (dry)**	Aggregate scatter into wet primer (bond key)	approx. 0.5 kg/m²
4	**KingFloor PUHD** *Resin, hardener and filler are one product; edges anchored in 20 x 8 mm rebate.*	Trowel-applied PU screed / wearing course	6 - 9 mm; approx. 2.4 m²/kit (30 kg) at 6 mm

BUILD-UP OPTIONS

- 6 mm: -40°C to 70°C
- 9 mm: -40°C to 120°C, steam cleanable
- RH 75 - 85%: 1 coat KingFloor Primer DPM; RH > 86%: 2 coats, then KingFloor Primer

NOTE

Refer to the technical datasheet of each product for full details of surface preparation, mixing, application, curing, and health and safety. Rates are typical and depend on the substrate, its texture and porosity.

KingFloor® PUHD System

Heavy-duty polyurethane floor screed

Ref: FL-PU-PUHD | 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.

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