KINGKRETE®
We Create Future

KingFloor® PA500 System

Rapid-curing polyaspartic aliphatic floor coating

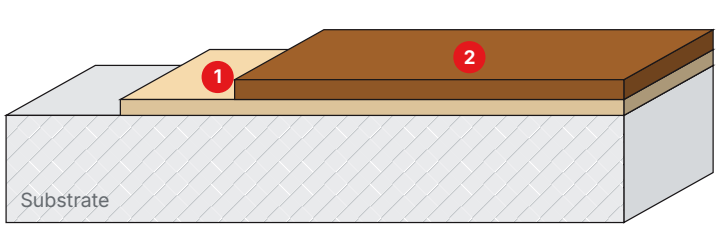
SYSTEM OVERVIEW

System reference	FL-PA-PA500	**Resin base**	Polyaspartic
Layers	2	**Document**	System Information Sheet, issue 01.2026

A two-component, solvent-free, rapid-curing polyaspartic floor coating over an epoxy primer. UV stable with excellent colour retention; a fast-return-to-service floor.

SYSTEM BUILD-UP

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



1 KingFloor PA500

2 KingFloor PA500

Indicative drawing, not to scale.

No.	Product	Function	Rate or thickness
–	**Substrate**	Structurally sound, clean concrete / cementitious substrates (also blast-cleaned steel, Sa 2½, 80 micron profile)	
1	**KingFloor PA500** or KingFloor Primer S *Unpigmented PA500 is self-priming; KingFloor Primer S is the alternative.*	Primer coat (unpigmented PA500)	approx. 0.1 L/m² per 100 µm DFT coat; KingFloor Primer S alternative at 5 m²/kg
2	**KingFloor PA500** *Two or more coats; 8 hr overcoat; if recoat window exceeded sand and wipe with acetone. Pigment 10% by volume into B side.*	Body / wearing coats (pigmented or clear)	approx. 0.1 L/m² per coat (100 µm DFT); system thickness 250 - 750 microns

BUILD-UP OPTIONS

- Pigmented coloured floor vs clear grind-and-seal (unpigmented coats only)
- Primer: unpigmented PA500 or KingFloor Primer S (5 m²/kg)
- Same build-up for indoor and outdoor use

TYPICAL APPLICATIONS

- Concrete garage floors, patios and walkways
- Car park decks
- Warehouse flooring
- Automotive sales and service areas
- Aircraft hangers
- Restaurants kitchens and dining areas
- Retail shops and shopping malls
- Hospital flooring

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® PA500 System

Rapid-curing polyaspartic aliphatic floor coating

Ref: FL-PA-PA500 | 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