

Kemfloor PA SL

High Gloss, High Strength, UV Resistant, Fast Cure, Chemical Resistant, Polyaspartic Self-Leveling Floor Topping

Description	Kemfloor PA SL is a pure 100% solids, Aliphatic Polyaspartic floor topping, with a very low odors, low viscosity, quick dry, flexible, UV-resistant, high strength, and chemical resistant. It is suitable for concrete and over existing epoxy coating It can be applied at low temperatures, and when fully cured, it will produce high abrasion wear-resistant, high gloss, and smooth finish over concrete, wood or steel.	
Where to use	• For the production of self-smoothing floor on concrete and cement screed with excellent chemical resistance and attractive appearance • Self-smoothing floor for heavy industrial use • Cold storage area • Industrial warehouses • Food processing areas • Pulp and paper mills • Chemical plants • Aircraft hangars and garages • Patios, walkways, and driveways • Showrooms, Automobile dealerships • Restaurants floors, Entry, and lobby areas	
Advantages	• Fast cure (one-day job) • Low moisture sensitivity • High tensile strength • Color stable & water clear • Excellent adhesion • Low odor • UV stable • High gloss • Excellent chemical resistance • USDA, CFIA acceptable • Cures at low temperature for food contact	
Properties		
Density	1.8 ± 0.1 Kg/L	
Temp resistance	-40 / +140 °C	
Pot life @ 25 °C	12 minutes	
Curing time @ 25 °C	2 – 3 hours (Foot traffic) 8 hours (Light traffic) 5 days (Heavy traffic)	
Tensile strength	12 – 15 Kg/cm²	ASTM D638
Elongation	90 – 100%	ASTM D638
Shore D hardness	60 – 65	

Abrasion resistance	30 – 35 mg loss	ASTM D4060 CS17/1000/1000
Pull off strength	2.0 – 2.5 N/mm ²	ASTM D7234
Chemical resistance	Excellent, please consult technical office	
It complies with ASTM C905, C307, D638, D2240, D1583, D7234, D4060, D4541, D2047, D968		
Surface Preparation	New poured concrete • Concrete compressive strength >25 N/mm² & Bond strength >1.5 N/mm² • Allow to fully cure 28 days prior to application • Remove any curing membrane by sanding or etching with a strong detergent	
	Old concrete • Thoroughly clean surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shot blasting, sanding or grinding. Proceed as for new poured concrete	
	Generally, for concrete surfaces • Treat any areas worn down to the original concrete as bare concrete • All damaged areas, cracks and surface irregularities must be repaired and smoothed first using Kemrepair EP and bonding layer using Kembond EP	
	Steel surface • The steel surface should be blasted to Sa 2 ½ surface quality to remove rust and mill scale • For applying over old or new epoxy coatings, the surfaces must be sanded (80grit) and the sheen removed and wiped properly to remove any dust • Do not coat over acrylic or polyurethane coatings unless it is de-glossed	
Mixing	• Premix (A&B) separately in its containers • Add Part B to part A and mix thoroughly for 2 minutes with a low -speed mixer • Avoid air bubbles while mixing • Add the filler C gradually to the mixed A + B and continue mixing for 2 – 3 minutes until all components are thoroughly mixed	
Application	• Prime the concrete surface with Sealer PU use a consumption of 0.15 – 0.2 Kg/m² in case of wet concrete use Wetseal leave it to dry overnight • make sure the whole area is primed and no visible pinholes – repeat if needed • Apply the Self -Smoothing mixture of Kemfloor PA SL with a toothed trowel and remove any entrapped air with a spiked roller • Kemfloor PA SL should not be exposed to water, chemicals, or mechanical stresses before it is fully cured • Substrate moisture ≤ 4% • Min substrate temperature +10 °C • Max substrate temperature +30 °C • Max relative humidity 85 % • Can be walked on after 3 hours	
Cleaning	• Clean immediately with Prosolve PA • cured material can be removed mechanically	
Theoretical Coverage	Priming: Sealer PU or Wetseal 0.15 – 0.2 Kg/m ² Kemfloor PA SL: 3.4 – 5.7 Kg /m ² / 2 – 3 mm	
Packaging	(A+B+C) pails 10 Kg	

Shelf life & storage	12 months if stored in unopened containers in cool, dry condition
Health and Safety	• Use gloves and a breathing mask when applying • Apply forced ventilation in confined spaces • Skin splashes to be removed with hand cleanser, soap, and water • Eye splashes are to be removed with plenty of water • If ingested seek medical advice
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structures. PROKEM designs tailor made products, should there be a critical application that requires specific properties rather than our main range, therefore; and for our customer's satisfaction PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current terms of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in the proper handling of our products