

Kemfloor PA SL/AS

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

Description	A premium polyaspartic self-leveling floor coating designed to deliver a seamless, high-gloss decorative finish with electrostatic dissipative or properties. Provides high mechanical strength and excellent resistance to abrasion, wear, chemicals, and UV exposure. Its fast-curing formulation minimizes application downtime and accelerates the return to service. Ideal for industrial, commercial, and technical environments requiring decorative flooring with controlled electrostatic discharge.	
Where to use	• For the production of static dissipative self-smoothing floor on concrete and cement screed with excellent chemical resistance and attractive appearance • Electronics and semiconductor facilities • Cold storage area • Pharmaceutical and medical device facilities • Data centers and telecommunications rooms • Automotive and aerospace industries • Laboratories and technical workshops • Aircraft hangars and garages	
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 • Cures at low temperature	
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	
Resistance to earth	10 ⁸ - 10 ⁹ ohm	
Abrasion resistance	30 – 35 mg loss	ASTM D4060 CS17/1000/1000
Pull off strength	2.0 – 2.5 N/mm²	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	- Concrete should be sound, clean, free from contaminants and dry - Concrete shall allow provisions for movement joints as required - All laitance must be removed and all cracks must be repaired and leveled with Kemrepair EP - Floor substrates shall be prepared by mechanical means such as shot blasting to get a leveled surfaces and vacuum cleaned - Moisture content of concrete should be less than 4%
Priming	- Apply Sealer E43 or Wetseal for green concrete and leave 24 hours to dry - Experience has shown that cement mortar or concrete sub-floor may exhibit poor discharge capacity after epoxy topping has been applied
Earthing	- Apply strips of Copper Tape in the sub-floor over the initially primed surface, and connect the ends to any natural conductor attached to the building - Apply a coat of Conductive Primer using roller or squeegee and ensure that no gaps occur to cover the applied Copper Tape - The Conductive Primer resistance of the earth connection must be $10^4 - 10^6$ ohm
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	- Apply the Self -Smoothing mixture of Kemfloor PA SL/AS with a toothed trowel and remove any entrapped air with a spiked roller Kemfloor PA SL/AS should not be exposed to water, chemicals, or mechanical stresses before it is fully cured - The topping compound should be applied using a trowel, serrated edged trowel at a thickness of 1.5mm - The freshly laid topping should be treated immediately with a spiked roller shortly for 10 minutes after application - This fresh rolling should be at right angles to the direction of laying - About further 10 minutes the floor should be rolled again at right angle to the first roll - Substrate moisture $\leq 4\%$ - Min substrate temperature $+10^\circ\text{C}$ - Max substrate temperature $+30^\circ\text{C}$ - 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	Sealer E43 or Wetseal $0.15 - 0.2 \text{ Kg/m}^2$ Conductive Primer $0.25 - 0.3 \text{ Kg/m}^2$ Kemfloor PA SL/AS: $1.8 \text{ Kg /m}^2 / 1.5\text{mm}$
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