

Kemfloor PU SL

Self-Leveling, Hard Wearing Polyurethane Floor Finish, Heat Resistance -40 °C /+120 °C

Description	Kemfloor PU SL is a hard wearing, self-smoothing, two components based on a polyurethane technology for flooring finish (1-1.5 mm) thick.
Where to use	• Food & beverages processing plants • Pharmaceutical & chemical plants • Car decks & garages • Playing courts and sports arenas
Advantages	• Solvent free • Abrasion resistant and hard wearing • Weather resistant and UV resistant • Excellent crack bridging at low temperature • Chemical resistant to water, mineral spirits & ethylene glycol • Excellent bond strength • Non-tainting and non-dusting • Temperature resistance: -40 °C /+ 120 °C
Properties	
Density	1.5 ±0.5 g/cm ³
Pot life @ 23°C	20 minutes
Final Cure @ 23°C	7 days
Tensile strength	13 MPa
Elongation	70%
Shore D hardness	65
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 Previously coated concrete • Remove any peeling or degraded paint by sanding or using a paint stripper • For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss Generally, for concrete surfaces • Treat any areas worn down to the original concrete surface • All damaged areas, cracks and surface irregularities must be repaired and smoothed first using Kemrepair EP and bonding layer using Kembond EP
Expansion joint	• Shall be installed in accordance with local building codes • Never bridge an expansion, contraction or construction joint

Mixing	• Stir the contents of pack A to disperse settlement, then add pack B and mix with a very low speed mixer, until completely blended • Mixing time will take about 2 to 3 minutes • Be careful not to introduce any air bubbles while mixing until a uniform consistency is obtained
Application	• Apply a primer coat for the whole surface using Sealer E45 with a consumption of 0.15 – 0.2 Kg/m² – make sure the whole area is primed and no visible pinholes – repeat when needed • Apply the Self-Smoothing mixture of Kemfloor PU SL with a toothed trowel and remove any entrapped air with a spiked roller • Kemfloor PU 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 24 hours
Cleaning	• Tools and equipment should be cleaned immediately after use with Prosolve PU
Theoretical coverage	Primer Sealer E45 at a theoretical consumption of 0.15 – 0.2 Kg/m² *In the case of wet or green concrete substrates, Wetseal can be used at a theoretical consumption of 0.15 – 0.25 Kg/m² Apply Kemfloor PU SL 1.5 Kg/m²/1 mm thick
Packaging	(A&B) pails 20 Kg
Shelf life & storage	6 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, then 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.