

Kemfloor PU/WB

Two Components Water Based Polyurethane (Mat/Semi-gloss/ gloss finish)

Description	Two components aliphatic water based polyurethane finish that provides an excellent resistance to abrasion, shocks, stress and chemicals. It can be used in wide variety of environment.
Where to use	•Commercial infra structure. •Factories. •Processing industries. •Oil & Gas Facilities. •Gymnasiums, Outdoor sport pitches and playing areas.
Advantages	•Waterborne •ECO-Friendly. •Excellent resistance to abrasion and shocks. •Excellent resistance to chemicals, Indoor and outdoor applications. •Resistant to sunlight and weather. •Heat tolerance range from - 40° C to + 90° C.
Properties	
Density	1.03 ±0.02 gm/cm ³
Weather Resistance	50 hours/year
Water Absorption %	0.9 %
Color	Pigmented or Clear
Gloss	Matt, semi-gloss and gloss
Volume of Solids %	40 ± 4%
Pot Life @ 23 °C	40 minutes
Recoating Time	Minimum 2 hours
Open to Foot Traffic	Minimum 24 hours
Heavy Traffic	Minimum 7 Days
Pull-off Strength	2 — 3 N/mm ²
Abrasion Resistance	22 — 25 mg loss
Impact Resistance	Excellent
Resistance to 1 m column of water	Pressure show no leak (BS EN 1928)
Surface Preparation	All surfaces must be clean, sound, dry and free from contaminations. The new concrete should be left for 28 days for dehydration (water content should be less than 5%). Remove laitance if any, with mechanical methods according to ISO 8504 to get a (CSP 3-4). Repair cracks and honeycombs with a non-shrink repair mortar Kemrepair EP Fill expansion joints as recommended.
Mixing	Agitate Base (Part A) with a power mixer. Add curing agent (Part B) to the base. Mix thoroughly with power agitator.

Application	It can be applied with a brush, roller, or airless spray.
	Prime concrete surfaces with Sealer E43 , Wetseal for wet concrete and Bonding primer for wood.
	Leave to dry overnight.
	Apply at temperature (10 °C to 30 °C) and R.H. (35 to 75) %.
	Apply 2 coats considering recoating intervals according to temp (6-16 hours)
Cleaning	Leave to fully dry (24 hours for foot traffic and 7 days for heavy traffic)
	Prime metal surfaces with Kemprim M or Kemprim AL .
	The product can be reinforced with Kemfelt for joints.
Theoretical Coverage	Clean immediately after use with Prosolve PU .
Packaging	0.25 Kg /m ² for 100 micron D.F.T. 2 coats are recommended.
Shelf Life & Storage	5 Kg Pails (A, B) 1 Kg Pails (A, B)
Health and Safety	6 months in its original cans if stored in suitable conditions.
Additional Information	Use gloves, goggles and breathing mask when applying.
	Apply forced ventilation in confined spaces.
	Skin splashes to be removed with hand cleanser, soap and water.
	Eye splashes to be removed with plenty of water.
	If ingested seek medical advice.
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