

Kemcoat PU/EP

Flexible, Durable & Solvent – free Polyurethane/Epoxy Coating

Description	Kemcoat PU/EP is a solvent free two components thixotropic flexible polyurethane/epoxy coating (transparent or colors)..
Where to use	<p>A heavy-duty protective coating for concrete metal or any other type of substrates whenever high degree of protection combined with elasticity are required. It can be used for:</p> <ul style="list-style-type: none"> • Cooling rooms. • Courts & Stadiums. • Concrete & wood Elements. Tanks and pipes of potable and sewage water.
Advantages	<ul style="list-style-type: none"> • Excellent bridging characteristics. • Flexible • An easy to clean tough glossy finish. • Resistance to a wide range of chemicals and corrosion vapors. • Does not flake, blister or crack. <p>Produced in several colors.</p>
Properties	
Specific gravity (mixed)	1.44 ±0.04
Solids content	100 %
Recoating time	24 Hours
Pot Life @ 23 °C	45 Minutes
Color	Transparent, White, Grey, Black Different colors available In request
Mechanical properties after 7 days @ 23 °C	
Tensile strength	13.7 N/mm ²
Elongation %	100 - 150
Tear resistance	1.82 N/mm ²
Note that temperature variation changes these figures	
Full curing	7 Days
Standards:	
Drying time	Din 53150
Curing Rate	Din 53153
Flexibility	Din 53156
Adhesion	Din 53151
Viscosity cup no.4	Din 53211
Mechanical strength	Din 1164
Surface Preparation	<ul style="list-style-type: none"> • Concrete substrate: should be sound dry, clean and free from loose particles. • Steel substrate: sandblast, grit blast or any other efficient method and ensure that all traces of rust are removed. <p>Please refer to Prokem Technical Department for further details on surface preparation and application procedure</p>
Mixing	Stir the contents of the resin pack A to dispense settle components, then add the hardener pack B and mix thoroughly until a uniform consistency is obtained.

Application	<ul style="list-style-type: none"> • Apply Sealer E43 for dry concrete or Wetseal for wet concrete or Kemprim M for metals. • Apply the first coat of Kemcoat PU /EP with a stiff brush or roller to obtain a continuous uniform thickness. • Apply the second coat within the recoating interval to achieve the maximum adhesion between the two coats. • It can be mixed with fine filler to obtain elastic mortar for joints or can be mixed with rubber filler for court flooring.
Theoretical Coverage	0.25 Kg/m ² /coat for 175-micron D.F.T 2 coats are recommended
Packaging	Two packs system (A+B): 5 Kg pails.
Cleaning	Tools and equipment's should be cleaned with special solvent Prosolve PU immediately after use.
Storage	Kemcoat PU/EP has a shelf life of 6 months if kept in their original packaging in dry conditions.
Health and Safety	<ul style="list-style-type: none"> • Use goggles, gloves and a breathing mask when applying. • Apply forced ventilation in confined spaces. • Remove splashes from skin with hand cleaner or soap and water. • Eye splashes to be washed with plenty of water. • If ingested seek medical advice.
Additional Information	<p>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 structure.</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.</p> <p>PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale & delivery.</p> <p>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.</p> <p>PROKEM extends technical services to include after sales support to assist users in a proper handling of our product.</p>