

# Kemcoat PU

Solvent – Free, Flexible, Hygienic Aliphatic Polyurethane Finishing Coat

Description	<p>A solvent free, two components Aliphatic isocyanate cured flexible polyurethane resin forming a weatherproof, UV resistant, hygienic finish coat. It complies with <b>ASTM C267, D5895,522,4587, G153,154</b></p> <p><b>Kemcoat PU is approved by the National Organization For Potable Water &amp; Sanitary Drainage for drinking water</b></p>
Where to use	<ul style="list-style-type: none"> <li>• Building facades</li> <li>• Cold and Freezer rooms</li> <li>• Airports</li> <li>• Playing courts</li> <li>• Steel structures</li> <li>• Concrete tanks and pipes of potable water</li> </ul>
Advantages	<ul style="list-style-type: none"> <li>• Solvent –free &amp; Hygienic</li> <li>• Excellent adhesion to most substrates including P.V.C</li> <li>• Excellent weather resistance</li> <li>• UV stable 100%</li> <li>• Flexible, waterproofing membrane</li> <li>• High abrasion resistance</li> <li>• Chemical resistance to petrol, oils, solvents and acids</li> <li>• Temperature resistance: - 40 °C /+ 120 °C</li> </ul>
<b>Properties</b>	
Density	1.3 ±0.05 Kg/cm <sup>3</sup>
Pot life @ 23 °C	50 minutes
Time to recoat @ 23 °C	6 Hours
Full cure @ 23 °C	7 Days
Elongation%	25%
Tensile strength	7 N/mm <sup>2</sup>
Colors	Range of colors is available
UV- Resistance/50 Hours UV- Resistance/200 Hours UV- Resistance/500 Hours	<p>No effect &amp; no cracks</p> <p>Fully UV stable</p>
Surface Preparation	<ul style="list-style-type: none"> <li>• Laitance and contamination to be removed by any mechanical methods such as sandblasting, grinding and scarification according to surface profile required</li> <li>• All loose particles and residues must be removed to provide a clean, dry and sound surface</li> <li>• Surfaces must be free from oil, greases and curing compounds</li> <li>• All dust and debris must be removed by thorough vacuuming</li> <li>• Steel surfaces should be blasted to Sa 2 ½ and surface profile (50 - 100 microns )</li> </ul>
Mixing	<ul style="list-style-type: none"> <li>• Stir well components (A&amp;B) individually before mixing</li> <li>• Add component (B) to component (A) and mix thoroughly until a homogeneous mix is obtained</li> </ul>

Application	<ul style="list-style-type: none"> <li>Concrete surfaces can be primed with <b>Sealer E115</b> or <b>Sealer E43</b></li> <li>In case of green concrete; <b>Wetseal</b> can be used and leave to dry overnight</li> <li>Metal surfaces can be primed with <b>Kemprim M</b> or <b>Kemprim ZP</b></li> <li>Apply the coating with a roller, brush and airless spray to a uniform finishing</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>Tools should be cleaned immediately after use with <b>Prosolve PU</b></li> </ul>
Theoretical coverage	<ul style="list-style-type: none"> <li>0.26 Kg/m<sup>2</sup> at D.F.T 200 microns/coat</li> <li>2 coats are recommended</li> </ul>
Packaging	<ul style="list-style-type: none"> <li>5 Kg Pails (A&amp;B)</li> <li>20 Kg Pails (A&amp;B)</li> </ul>
Shelf life & Storage	6 months if stored in their unopened containers in cool, dry condition
Health and Safety	<ul style="list-style-type: none"> <li>Use gloves to avoid contact with skin</li> <li>If skin comes in contact, wash immediately with soap and water</li> <li>Do not use solvents</li> <li>Eye contamination must be immediately washed with water, then seek medical treatment</li> </ul>
Additional Information	<p><b>PROKEM</b> 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><b>PROKEM</b> 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><b>PROKEM</b> reserves the right to change the properties of its products        All orders are accepted subject to our current term of sale &amp; 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</p> <p><b>PROKEM</b> extends technical services to include after-sales support to assist users in the proper handling of our products</p>