

Product Data Sheet  
Edition 04 . 2022  
Identification No. P - 19



## Kemcoat PU

Solvent – Free , Flexible ,Hygenic Aliphatic Polyurethane Finishing Coat

### Description

A solvent free , two components Aliphatic isocyanate cured flexible polyurethane resin forming a weatherproof , UV resistant, hygenic finish coat. Complies with NOPWASD & ASTM C267, D5895, 522, 4587, G153, 154

### Where to use

- Building facades.
- Airports.
- Playing courts.
- Steel structures.
- Tanks and pipes of potable water .

### Advantages

- Solvent –free & Hygenic.
- Excellent adhesion to most substrates including P.V.C.
- Excellent weather resistance.
- UV stable 100%
- Flexible , waterproofing membrane.
- High abrasion resistance.
- Chemical resistance to petrol , oils, solvents and acids.
- Temperature resistance: - 40 °C /+ 120°C.

### Properties

Density	: 1.3±0.05 g/cm <sup>3</sup>
Pot life at 23 °C	: 50min
Time to recoat at 23°C	: 6hours
Full cure at 23°C	: 7day
Elongation%	: 25%
Tensile strength	: 7N/mm <sup>2</sup>
Colors	: a fully UV stable range of colors available
UV- Resistance/50Hours	: No effect

### How to use

#### Surface preparation:

- Laitance and contamination to be removed by any mechanical methods as sand blasting ,grinding , scarification according to surface profile required.
- All loose particles and residues must be removed to provide a clean , dry and sound surface.
- Surfaces must be free from oil , greases and curing compounds.
- All dust and debris must be removed by through vacuuming.
- Steel surfaces should be blasted to Sa 2 ½ and surface profile (50-100 microns).

### MIXING

- Stir well components(A&B) individually before mixing.
- Add component (B) to component (A) and mix thoroughly until homogeneous mix is obtained.

### APPLICATION

- Concrete surfaces can be primed with (**Sealer E115 or Sealer E43 – Wetseal** for green concrete) and left to dry over night
- Metal surfaces can be primed with **Kemprim M or Kemprim ZP**
- Ensure all loose aggregates are removed by sweeping and vacuum.
- Apply coating with roller and brushes , and airless spray to a uniform finishing

### CLEANING

Tools should be cleaned immediately after use with (**Prosolve PU**)

### THEORETICAL COVERAGE:

0.26 kg/m<sup>2</sup> (d.f.t 200 microns /coat )

### Packaging

5,20 Kg Pails (A&B)

### SHELF LIFE & STORAGE

6 months if stored in unopened containers in cool , dry condition.

### Health and Safety

- Use gloves to avoid contact with skin.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.

### 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 structure.

**PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction, **PROKEM** reserves the right to change the properties of its products.

All orders are accepted subject to our current term 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 a proper handling of our products.