



ResiGard PU CP

Solvent free Polyurethane Waterproofing Membrane and Intermediate Coat

DESCRIPTION **ResiGard PU CP** is a two component, solvent free, anti-skid, polyurethane based tough, flexible, floor coating where crack bridging and waterproofing properties are required. The product is applied as an intermediate waterproofing coat at 250 microns. Where high build thickness of 500 microns required in single coat **ResiGard PU CP(HB)** is applied as membrane coat.

For a specific purpose, highly elastomeric, polyurethane resin base coat with greater than 200% elongation is available on request.

Traffic Coating : Polyurethane waterproofing, Traffic bearing membrane systems for vehicular & pedestrian areas, refer to the technical data sheet of **ResiGard TD957**. Either epoxy or polyurethane based systems are used unless otherwise specified.

USES Used as an intermediate wear resistant coating for heavily trafficked areas such as ramps, traffic deck system for heavy duty traffic in car parks, parking bays, pedestrian walkways, roof decks and industrial floors, elevated concrete slabs, Plywood decks/balconies.

- ADVANTAGES**
- Good abrasion and impact resistance
 - Waterproof
 - Flexible, Excellent crack bridging capability
 - Resistant to water and vapor
 - Good chemical resistance
 - Solvent free, can be applied in enclosed areas
 - Good adhesion to variety of substrates
 - Slip resistant texture can be obtained

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Two : Part A - Base Part B - Hardener
Mixed Form	-	Liquid
Colour	-	Various colours available
Pot Life		30-50 mins
Surface Dry	-	5 hrs
Recoat Time	-	10 - 24 hrs
Full Cure	-	7 Days
Application Temperature	-	+5°C to +40°C
Chemical Resistance	ASTM D543	Resistance to various chemicals like mild acids, alkalis, fuels, grease, petrol, etc
Bond Strength	ASTM D 4541	> 1.2 N/mm ²



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Shore A Hardness	ASTM D2240	70 +/- 10
Elongation % ResiGard PUCP ResiGard PUCP (HB)	ASTM D412 ASTM D412	> 120 > 90
Tear Resistance N/mm ResiGard PUCP ResiGard PUCP (HB)	ASTM D624 ASTM D624	> 26 > 15
Tensile Strength N/mm² ResiGard PUCP ResiGard PUCP (HB)	ASTM D412 ASTM D412	> 6 > 4
Crack Briding, ResiGard PUCP	ASTMC957	No cracking, passes
Full Cure	-	7 Days

SURFACE PREPARATION

Surfaces should be free from grease, oil, chemical contamination, dust, laitance, loose particles, etc. Appropriate surface preparation equipment such as shotblast, scarifier or grinder must be used to obtain sound substrate. Steel surfaces should be gritblasted to base metal. Cracks, potholes, etc. should be repaired with epoxy putty **ReCon FCE**. Uneven concrete should be levelled to produce a roughened flat surface. Undulated floors can be levelled using **ResiGard ES / ResiGard RS5 / TekniFloor SLS10** prior to application of **ResiGard PU CP**. New concrete floors must be at least 28 days old prior to application. Moisture content of concrete floor must be less than 5%. Expansion, control and isolation joints in substrate should be carried through **ResiGard PU CP** floors and filled with a suitable sealant from the **SealXtra** range.

PRIMING

Prepared surfaces shall be primed with **ResiGard Primer SF**. Base and Hardener component of primer shall be mixed thoroughly using drill machine with paddle for 3-5 minutes. The primer shall be brushed into the surface using a stiff brush or roller and allowed to dry before the application of subsequent coatings. In case of extremely porous substrate, two coats of primer is recommended.

MIXING

ResiGard PU CP / PU CP(HB): Stir well Part A and Part B individually. Add hardener into base and mix with slow speed drill fitted with paddle for two minutes. Scrape the sides and bottom of mixing container and continue mixing for further one minute. Do not mix the material in quantities which cannot be applied within the pot life of product.

APPLICATION

Spread the mixed **Spread mixed ResiGard PU CP / PU CP(HB)** on prepared surface evenly as per the recommended spread rate. Use lambswool roller with dense and short fibers. Uniform rolling should be completed within the pot life of the product. Second coat should be applied after the first coat is completely dry.



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Anti-Slip Finish: Apply the first coat of **ResiGard PU CP / PU CP(HB)** as per the desired thickness. Broadcast the anti-slip grains (Conmix Anti Slip Grain) uniformly in the first coat within 30 minutes of application. Allow first coat to dry for 10 to 24 hours. Remove all loose grains with a soft broom. Apply the second coat of **ResiGard PU CP / PU CP(HB)** as per the desired thickness. After completion of the application, coating should be left for 24 hours to cure before foot traffic.

PACK SIZE 5 ltr, 10 ltr and 20 ltr set
Conmix Anti-slip grains : 25 Kg bags

COVERAGE **ResiGard PU CP (5, 10 & 20 ltr set):** 4 m²/ltr/coat at 250 microns wft
ResiGard PU CP(HB) (10 & 20 ltr set): 2 m²/ltr/coat at 500 microns wft
ResiGard Primer SF (6, 15 & 30 ltr set): 6 - 7 m²/ltr/coat
Conmix Anti-slip Grain (No.1 & 2) (25 Kg bag): 0.75 kg to 1 .50 kgs / m²
Actual coverage will depends on the texture and porosity of the surface, wastage factors, site and application conditions, etc.

GENERAL INFORMATION

Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
Cleaning	Clean all equipment and tools with Conmix Cleaner immediately after use.

HEALTH and SAFETY

PPE's	Gloves, goggles and suitable mask must be worn.
Precautions	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
Hazard	Regarded as hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request)

TECHNICAL SERVICE **CONMIX Technical Services** are available on request for onsite support to assist in the correct use of its products.

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