



ResiGard PU CP

Solvent Free Polyurethane
Floor System for Car Parks

DESCRIPTION **ResiGard PU CP** is a two component polyurethane based carpark flooring system designed to withstand abrasion and impact load.

USES **ResiGard PU CP** is used as floor and wall coating system in areas such as multi-level carparks, garages, warehouse, food processing units, pharmaceutical plants, laboratories, dairies, etc. Anti-slip surfaces can be obtained by incorporating anti-slip grains. In conjunction with **ResiGard PU**, it can be used on exterior floor surfaces.

ADVANTAGES

- Good abrasion and impact resistance
- Waterproof
- 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	> 1.5 N/mm ²

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.



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PRIMING	Primer is applied on prepared surface. ResiGard Primer SF , ResiGard Primer SB or ResiGard PU can be applied as primer. Mixed primer material should be applied by brush, lambswool roller or spray. Refer individual data sheets for spread rate. Over application and ponding of primer should be avoided. Dry patches on porous substrates should be treated with a second coat of primer.	
MIXING	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	<p>Spread the mixed ResiGard PU CP 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.</p> <p>Anti-Slip Finish: Apply the first coat of ResiGard PU CP at 200-250 microns wet film 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 second coat of ResiGard PU CP at 200-250 microns wet film thickness. After completion of the application, coating should be left for 24 hours to cure before foot traffic.</p>	
PACK SIZE	5 ltr and 10 ltr set	
COVERAGE	<p>5 m²/ltr/coat at 200 microns wft for floors 10 m²/ltr/coat at 100 microns wft for walls</p> <p>Actual coverage will depends on the texture and porosity of the surface, wastage factors, site and application conditions, etc.</p>	
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)



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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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