



ResiGard RS5

Self-Smoothening, Epoxy Underlay

DESCRIPTION **ResiGard RS5** is a three component epoxy underlay system designed to provide self-smoothening, sound subsurface of 1.5 mm to 5 mm thickness prior to laying of **ResiGard** range of screeds, toppings or coatings.

USES **ResiGard RS5** is used as underlayment on floors in pharmaceutical plants, laboratories, mechanical industry, workshops, dairies, kitchens, showrooms, petrochemical plants, paper mills, etc.

ADVANTAGES

- High strength
- Excellent bond strength to concrete and resinous coatings
- Excellent impact, wear and abrasion resistance
- Seamless
- Easy to apply
- Economical

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Three: Part A - Base Part B- Hardener Part C- Filler
Mixed Form	-	Viscous Liquid
Colour	-	Beige (other colours available on request)
Pot Life	ASTM D2471	30-45mins
Full Cure	-	7 days
Bond Strength	ASTM D4541	> 2 N/mm ²
Flexural Strength	BS 6319-3	20 N/mm ²
Compressive Strength	BS 6319-2	70 N/mm ²
Tensile Strength	BS 6319-7	13 N/mm ²
Application Temperature		+5°C to +40°C
Service Temperature	-	+5°C to + 70°C
Chemical Resistance	ASTM D543	Resistance to various chemicals like mild acids, alkalis, fuels, grease, petrol, etc

SURFACE PREPARATION Surfaces to receive **ResiGard RS5** should be prepared by shotblasting, scarifying or other suitable means to remove all traces of oil, grease, loose laitance, curing compounds, bond breaking coatings and other contamination. Weak or loose concrete should be removed completely until a sound substrate is obtained and repaired with **ReCon** range of repair products. Any minor imperfections, pinholes etc. should be repaired using **ReCon FCE**. Upon completion of shotblasting or grinding, the floor should be vacuum cleaned.



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Concrete floors should not have moisture content more than 5% when tested using Thermo Hygrometer. Expansion, control and isolation joints in concrete should be carried through the **ResiGard RS5** and filled with a suitable sealant from the **SealXtra** range.

PRIMING

Primer is not required on sound concrete floor. Extremely porous substrate should be primed with **ResiGard Primer SB** or **ResiGard Primer SF**. The primer should be brushed into the surface using a stiff brush or roller and allowed to dry before the application of **ResiGard RS5**.

MIXING

Stir the base and hardener components separately. If coloured **ResiGard RS5** is being used, mix the colour part with the base prior to mixing the hardener with the base component. Mix thoroughly with a slow speed drill attached with paddle for at least one minute. Add entire filler component slowly and continue mixing for two minutes to get uniform and homogeneous mix. Scrape the sides, edges and the bottom of the mixing container using a spatula and continue mixing for further two minutes.

APPLICATION

Mixed **ResiGard RS5** is spread on the prepared surface using serrated trowel to achieve the desired thickness. While the material is fluid, spike rollers are used to remove any entrapped air from the system and achieve a smooth and glossy finish. Spike rolling can continue until the material reaches gel properties. Prolonged rolling will lead to roller marks appearing on the finished surface. Always wear spiked shoes when applying the product.

PACK SIZE

10 ltr and 15 ltr set

COVERAGE

10 m²/set of 15 ltr at 1.5 mm thickness. Coverage depends on porosity and texture of substrate.

LIMITATIONS

ResiGard RS5 is not suitable for application on surfaces known to or are likely to suffer from rising dampness or have a relative humidity greater than 75 %. Should not be applied on asphalt floors, PVC tiles or sheet.

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 equipments 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.



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	Hazard	Regarded as non-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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