



## ResiGard SL2

1-3 mm Thick Self-Smoothing Chemical Resistant  
High Performance Epoxy Flooring System

### DESCRIPTION

**ResiGard SL2** is a four component, solvent free, epoxy resin, self-smoothing chemical resistant flooring system. It provides excellent mechanical and chemical resistance qualities.

### USES

**ResiGard SL2** can be used for wide range of industrial environments where a lasting solution to floor maintenance problems is required. It is suitable for use in wet areas where strict levels of hygiene and cleanliness are required or where chemicals are stored or manufactured. Ideal for use in food and chemical industry, hospitals, schools, kitchens, laboratories, pharmaceutical industry, high traffic applications, industrial manufacturing plants, garages, etc.

### ADVANTAGES

- Durable - high impact resistance
- Good resistance to a wide range of chemicals
- Hygienic - provides a dense, impervious, seamless floor surface which is easy to clean
- High flow characteristics combined with an attractive, self-smoothing finish
- Solvent free and non-toxic
- Phenol free, can also be used in food processing industry
- Fast application - minimizes downtime
- Applied from 1-3 mm thickness
- Attractive - available in a wide range of colours to enhance the working environment

### TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Four: Part A - Base Part B- Hardener Part C- Filler Part D-Colour Pack
Mixed Form	-	Viscous Liquid
Colour	-	Various Colours available
Pot Life	ASTM D2471	50 mins +/-10
Recoat Time	-	10-24 hrs
Full Cure	-	7 days
Bond Strength	ASTM D4541	> 2 N/mm <sup>2</sup> at 7 days
Flexural Strength	BS 6319-3	25 N/mm <sup>2</sup> at 7 days
Compressive Strength	BS 6319-2	70 N/mm <sup>2</sup> at 7 days
Tensile Strength	BS 6319-7	15 N/mm <sup>2</sup> at 7 days
Chemical Resistance	ASTM D543	Resistance to various chemicals like acids, mild alkalis, fuels, grease, petrol, etc
Application Temperature	-	+5°C to +40°C
Service Temperature	-	+5°C to + 70°C



## ResiGard SL2

### SURFACE PREPARATION

Surfaces to receive **ResiGard SL2** should be cleaned 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. Undulated floors should be levelled / repaired using **ResiGard ES / ResiGard RS5 / TekniFloor SLS10**. 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 SL2** and filled with a suitable sealant from the **SealXtra** range.

### PRIMING

Prepared surfaces 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 (minimum 12-16 hrs) before the application of **ResiGard SL2**. In case of extremely porous substrate, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat. If the surface is damp, it is preferred to use **ResiGard MB** as primer coat which cures with the moisture to form a tough membrane and will not adversely affect the top coat.

### MIXING

**ResiGard SL2** is supplied in pre-measured packs (Base, Hardener, Filler and Colour Paste). Base and hardener components should be stirred separately before mixing together. Mix colour pack along with base component to achieve a uniform consistency. Add hardener and continue mixing. Add filler slowly into the mixed components and continue mixing further for at least three minutes to obtain a lump free material. Scrape the edges and the bottom of the mixing container using a spatula and re-mix for one minute. Care should be taken to avoid additional air entrapment during the mixing process.

Do not mix material in quantities which cannot be applied within the pot life of the product.

### APPLICATION

Mixed material should be poured on primed surface. Spread the material with the help of serrated trowel as per the intended coverage and thickness. Material should be rolled immediately with spiked roller to remove entrapped air and to get uniform smooth surface. Do not over work the material as it may lead to roller marks on the hardened surface. Use spiked shoes during application of the material.



## ResiGard SL2

<b>LIMITATIONS</b>		At higher temperatures pot life will be reduced. For working in cold climates (<5°C) <b>ResiGard SL2</b> containers need to be kept in a hot water bath. <b>ResiGard SL2</b> cannot be applied in areas exposed to direct sunlight.
	<b>PACK SIZE</b>	7.5 ltr and 15 ltr set
	<b>COVERAGE</b>	7.5 m <sup>2</sup> /set of 7.5 ltr at 1 mm thickness Actual Coverage rates may vary according to the substrate porosity and texture, wastage factors, site and application conditions, etc.
<b>GENERAL INFORMATION</b>	<b>Shelf Life</b>	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	<b>Cleaning</b>	Clean all equipments and tools with <b>Conmix Cleaner</b> immediately after use.
<b>HEALTH and SAFETY</b>	<b>PPE's</b>	Gloves, goggles and suitable mask must be worn.
	<b>Precautions</b>	Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.
	<b>Hazard</b>	Regarded as non-hazardous for transportation.
	<b>Disposal</b>	Do not reuse containers. To be disposed off as per local rules and regulations.
	<b>Additional Information</b>	Refer MSDS. (Available on request.)
<b>TECHNICAL SERVICE</b>	<b>CONMIX Technical Services</b> are available on request for onsite support to assist in the correct use of its products.	

Manufacturer:  
**CONMIX LTD.**  
 P.O. Box 5936, Sharjah  
 United Arab Emirates  
 Tel: +971 6 5314155  
 Fax: +971 6 5314332  
 Email: conmix@conmix.com

Sales Office:  
 Tel: +971 6 5682422  
 Fax: +971 6 5681442  
[www.conmix.com](http://www.conmix.com)



It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, Conmix does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to Conmix standard terms and conditions of sale.