



A **SHERWIN-WILLIAMS** Company



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Resudeck

DESCRIPTION

Resudeck is a two-pack, high build, hard wearing polyurethane floor coating providing a tough flexible finish with resistance to chemical attack. Resudeck is suitable for wet environments and is resistant to hot water. By incorporating suitable aggregates, anti-slip finishes can be created with a range of thicknesses and textures.

ADVANTAGES

- Low odour
- Very low VOC
- Flexible
- Can be applied onto concrete, wood, chipboard and asphalt etc.
- Metal surfaces can be treated, using RSL metal primer - Resuprime ZP
- Anti-slip finishes can be created by applying a scatter of aggregate
- Excellent resistance to most fuels and lubricants

RECOMMENDED USES

- Mezzanine areas
- Food units
- Bakeries
- Basement car parks
- Plant rooms
- Vehicle decks
- Asphalt areas

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 microns to 500 microns (Per coat)	100 %	2.5 litres & 5 litres	1 X Base 1 X Hardener	12 months in sealed containers	Keep out of direct sunlight. Store in a dry place, not below 15°C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 Litres will cover 25 sq m at 200 microns	20 minutes after mixing	6 hours or once surface has lost tackiness	24 Hours	3 Days	7 days



Specification

Product : Resudeck

Finish : Gloss

Thickness : 200 - 500 microns

Colour : Salsa, Kingfisher, Flint & Marigold

Products required for this system

Prime : Resuseal WB, Resuprime or R.S. Dampshield

System : Resudeck

Surface Seal : N/A

NB: Resudeck polyurethane is based on MDI and will yellow with time. This is a surface discolouration under the effect of UV light and does not affect the durability of the floor finish. Darker colours will not show this effect as much as light colours.

Preparation

New Floors: New concrete must be clean, sound, dry and fully cured and surface laitence removed, preferably by shot blasting, mechanical abrasion or chemical etching. Moisture content should be checked prior to application. Do not apply to substrates with moisture readings of 75 % RH or above. If substrates have higher moisture levels prime the substrate with **R.S.Dampshield** (number of coats dependent on moisture content).

Existing Floors: Remove all dirt, oil, grease or other surface contaminants, preferably by shot blasting, scarification or mechanical planing, Fats, oils or greases must be removed by mechanical abrasion and detergent washing.

Local repairs can be carried out using **Resupatch** or similar.

Priming

Porous substrates may require priming with **Resuseal WB Clear**. **Resuprime** should be used where a thicker primer coat is required for greater film thickness.

Application

The ambient temperatures of the areas should not be allowed to fall below 10°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 5°C.

Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

Mixing: Pre-mix the coloured component to a uniform colour then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two minutes or until the two components have fully combined.

The mixed unit should be applied immediately by roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Coverage rates will depend on the profile of the substrate. To obtain a 250 micron thickness coat apply **Resudeck** at a rate of 4 sq m per Litre. To obtain a 500 micron thickness coat apply **Resudeck** at a rate of 2 sq m per Litre.

Resudeck can be overcoated with **Resutile** to further improve chemical resistance and UV stability

Category Guide

FeRFA Category : 3

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

Slip Resistance	Dry > 60
Method BS7976 pt1-3 2002	Wet Please consult RSL

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult RSL.

Abrasion Resistance	n/a
Method BS8204 /ASTM D4060	

Temperature Resistance	Tolerant of sustained temperatures of up to 100°C
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Chemical Resistance	Good Chemical Resistance Consult RSL for further details
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Compressive Strength	n/a
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Flexural Strength	n/a
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Tensile Strength	n/a
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VOC	< 1 g/l Calculation based on a full mixed unit
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Life Expectancy	4 years plus Subjected to Industrial Traffic RSL terms and conditions will apply
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Maintenance and Cleaning

RSL recommend that **Resudeck** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover**, **R.S. Fats and Grease Remover** & **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the RSL Guide to Cleaning of Resin Floors

Health and Safety

Resudeck is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.