# Resutack PU

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## DESCRIPTION

Resutack PU is a two-pack, high solids, epoxy bonding primer coat, designed for easy application, and instant bonding with excellent adhesion properties. Resutack PU is principally designed to be used with polyurethane coving systems and will provide an instant strong bonding between the coving and the substrate when applied wet on wet with no waiting time to tack off.

## ADVANTAGES

- Excellent adhesion
- Strong chemical bond with the coving
- High solids
- Low odour
- Versatile for varied applications
- Ease of application
- Used as a wet on wet system with no waste of time

## RECOMMENDED USES

- As a coving primer for Resuthane JT40

## PRODUCT INFORMATION

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|---|---|
| **System Thickness (Recommended)** | 100-150 microns<br>*The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary. |
| **Solids Content by Weight** | 100% |
| **Pack Sizes** | 1 kg & 5 kg |
| **Pack Make Up** | 1 x Base 1 x Hardener |
| **Shelf Life** | 36 months (Base & Hardener) |
| **Storage** | Keep out of direct sunlight. Store in a dry place, between 15°C and 30°C. |

## APPLICATION INFORMATION at 20°C

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|---|---|
| **Coverage Rate (Theoretical)** | 1 kg will cover 24 linear metres at150 microns WFT for a cove height of 150mm and a base of 100mm<br>* Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions. |
| **Pot Life** | 20 minutes |
| **Recoating Intervals** | Coving screeds should be applied immediately to the wet primer |
| **Light Traffic** | 24 hours (dependant on top coat) |
| **Full Traffic** | 72 hours (dependant on top coat) |
| **Full Chemical Cure** | 7 days |

## Specification

**Product :** Resutack PU

**Finish :** Smooth gloss

**Recommended thickness range :** 100-150 microns per coat

**Colour :** Clear

## Products required for this system

**Primer :** One coat of Resutack PU, RS. Dampshield, Resuprime NT or Resuprime PP (depending on substrate condition) must be applied prior to tack primer to secure proper bonding to the substrate.

**System :** As per specification

**Surface Seal :** As per specification

## Preparation

**New Concrete Floors:** New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm2 is required.

**Existing Concrete Floors:** Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out with **Resupatch** or **Resuscreed 45**.

**Existing Floors ( previously coated )**
All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. if the old resin flooring cannot be removed, then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with existing floor coating.
**Resutack PU** can also be applied to existing coatings and to other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

## Priming

Open and porous substrates may require priming with **Resutack PU, Resuprime PP** or **Resuprime NT** may be used as primer on the dry substrates only with less than 75% ERH reading.

Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield FH** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table.

| ERH% | Required Coating Thickness |
|---|---|
| 75-85 | 1coat of R.S.DAMPSHIELD FH at 200 microns per coat |
| 85-92 | 2coats of R.S.DAMPSHIELD FH at 200 microns per coat |
| 92-97 | 3coats of R.S.DAMPSHIELD FH at 200 microns per coat |

**Resutack PU** should be applied once the substrate has been primed and cured. For Further information please refer to recommended individual product data sheets.

## Application

The ambient temperatures of the areas should not be allowed to fall below 15°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 10°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.

Pre-mix the base component to a uniform consistency then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used for mixing ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two to three minutes until the two components have fully combined. The mixed unit should be applied immediately by squeegee, roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Coverage rates may vary depending on profile and porosity of the substrate.

## Category Guide

FeRFA Category : 2

## Technical Information

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

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|---|---|
| Bond Strength<br>Method BS EN 13892-8:2003 | 3.1 N/mm$^2$<br>(Substrate failure) |
| Temperature Resistance | Tolerant of temperatures up to 60°c |
| VOC | 84 g/l calculated per full mixed unit |
| Life Expectancy | Dependant on floor system. |

## Maintenance and Cleaning

Not applicable when used as a primer.
Sherwin-Williams recommend that **Resutack PU** 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, Oils & 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 Sherwin-Williams Guide to Cleaning of Resin Floors**

## Health and Safety

**Resutack PU** 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 Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams 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.

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