



# Resuthane T100

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## DESCRIPTION

Resuthane™ T100 is a three-pack polyurethane coating, designed for the coating of coving and for remedial works where it can be applied as a top coat for all Resuthane™ Screeds, where refinishing is required. Resuthane™ T100 may also be applied direct to concrete areas adjacent to Resuthane™ Screed applications to ensure uniform appearance.

## ADVANTAGES

- Brush, roller or squeegee application
- High chemical resistance
- Resistance to hot water & steam
- Excellent slip resistant finish
- Matt finish
- Extremely hard wearing

## RECOMMENDED USES

- Food manufacture & processing
- Brewing & beverage
- Dairies
- Commercial Kitchens
- Pharmaceutical & chemical plant processing
- Abattoirs
- Heavy duty plant & traffic areas

## PRODUCT INFORMATION

<b>System Thickness (Recommended)</b>	100 microns DFT per coat
<b>Solids Content</b>	100% solids by weight
<b>Pack Sizes</b>	3 kg
<b>Pack Make Up</b>	1 x Base 1 x Hardener 1 x Aggregate
<b>Shelf Life</b>	36 months (Base ) 12 months (Hardener) 6 months (Aggregate)
<b>Storage</b>	Keep out of direct sunlight. Store in a dry place, not below 15°C

## APPLICATION INFORMATION at 20°C

<b>Coverage Rate (Theoretical)</b>	3 kg will cover 20 m <sup>2</sup> at 100 microns
<b>Pot Life</b>	15 minutes
<b>Recoating Intervals</b>	8 hours
<b>Light Traffic</b>	12 - 16 hours
<b>Full Traffic</b>	48 hours
<b>Full Chemical Cure</b>	3 - 5 days



## Specification

**Product :** Resuthane™ T100

**Finish :** Smooth matt

**Recommended thickness range :** 100-125 microns

**Colour :** Limited colour range, consult Sherwin-Williams

## Products required for this system

**Primer :** Resuprime or R.S. Dampshield

**System :** Resuthane™ screeds or JT40 coving

**Surface Seal :** Resuthane™ T100

## 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/mm<sup>2</sup> 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.

### 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.

Where overcoating **Resuthane™** screeds, proper surface preparation is essential to ensure maximum adhesion. For **Resuthane™ JT40** the overcoat intervals should be observed and if left for longer then the surface must be prepared and roughened prior to application of **Resuthane™ T100**.

## Priming

Open and porous substrates will require priming with **Resuprime NT** on dry substrates only with less than 75% ERH reading. Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield** or **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 1 coat of R.S.DAMPSHIELD or DAMPSHIELD FH at 200 microns per coat  
85-92 2 coats of R.S.DAMPSHIELD or DAMPSHIELD FH at 200 microns per coat  
92-97 3 coats of R.S.DAMPSHIELD or DAMPSHIELD FH at 200 microns per coat

For Further information please refer to recommended individual product data sheets.

## Application

**Resuthane™ T100** may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity < 90% RH, with a minimum air temperature of 8°C and no condensation. Do not pre-warm this product as working times will be substantially reduced if materials are warm.

NB: Cure times are extended at low temperatures.

Mix the coloured base component to an even consistency, ensuring the re-dispersion of any settled pigment. Add the aggregate and mix to form a smooth paste that is free from bits. Once smooth, add the hardener and mix for approximately one minute. Apply the product immediately using the desired application method.

**Resuthane™ T100** has a short pot life and must be used immediately after mixing. Any delay will result in loss of working time and loss of material.

## Category Guide

FeRFA Category : 1/2

## Technical Information

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

Slip Resistance Dry > 50

Method BS7976 pt1-3 2002

Wet (Please consult Sherwin-Williams)

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 Sherwin-Williams

Abrasion Resistance

Method BS 8204/ ASTM D4060

Average Depth of Wear (mm)  
0.04

Temperature Resistance

Tolerant of temperatures of up to  
60°C

Chemical Resistance

Excellent chemical Resistance  
Consult Sherwin-Williams on  
specific materials

VOC

15 g/l calculated per full mixed unit

Life Expectancy

2-3 years  
Subject to industrial traffic.  
Sherwin-Williams terms and  
conditions will apply

## Maintenance and Cleaning

Sherwin-Williams recommend that **Resuthane T100** 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

**Resuthane T100** 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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