



REF : T100 2016 05

# Resuthane™ T100

## 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
- Resistant 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 and meat processing
- Heavy duty plant and traffic areas

## PRODUCT INFORMATION

System Thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
100 microns	100 %	3 kg.	1 X Base 1 X Hardener 1 X Aggregate pot	12 Months (Base & Hardener) 3 Months (Aggregates)	Keep out of direct Sunlight. Store in a dry place, not below 15°

## DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
3 kg. will cover 15 m <sup>2</sup> @ 0.1mm	15 minutes (From Mixing)	8 Hours	12 -16 Hours	48 Hours	3 - 5 Days



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## Specification

Product : Resuthane™ T100

Finish : Smooth Matt

Thickness : 0.1mm

Colour : See RSL Resuthane™ Colour Chart

## Products required for this system

Primer : Resuprime for concrete

System : Resuthane™ T100

Surface Seal : Not required

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

## Preparation

To achieve the best performance from **Resuthane™ T100** the correct surface preparation is essential. The screed or substrate should be mechanically prepared to a clean sound and dry surface with a good mechanical key. Repairs should be undertaken where necessary with suitable materials.

## Priming

**Resuthane™** screed surfaces can be coated directly with **Resuthane™ T100** the day after application. Concrete substrates should be primed with **Resuprime** at an average rate of 4 m<sup>2</sup>. per kg. This is left to cure, usually overnight. If the relative humidity of the concrete is greater than 75% RH **R.S. Dampshield** should be applied at 4 sq.m. per kg. allow to cure for 8-12 hours @ 20°C.

## Application

**Resuthane™ T100** units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being coated.

Mix the aggregate with base thoroughly to form smooth paste, and then add hardener. Apply immediately by brush, roller or squeegee to form a smooth even coat.

NB: This product has a short pot life and is easiest to use immediately after mixing. Failure to do so may result in variations in finish.

NB: Cure times are extended at low temperatures.

## Category Guide

FeRFA Category : n/a

## Technical Information

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

Slip Resistance	Dry > 50, low slip potential
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	Average Depth of Wear (mm)
Method BS8204 /ASTM D4060	0.04
Temperature Resistance	Tolerant of sustained temperatures of up to 120°C @ 9mm
Chemical Resistance	Excellent Chemical Resistance Consult RSL on specific materials
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	15 g/l Calculation based on a full mixed unit
Life Expectancy	2-3 years plus Subjected to Industrial Traffic RSL terms and conditions will apply

## Maintenance and Cleaning

Please refer to the RSL 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 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.