



# Resuthane JT40

Revised 02/2018—Issue 2 : REF : JT40 2018 02

## DESCRIPTION

Resuthane™ JT40 is a water based trowel applied cove and wall polyurethane resin render. Resuthane™ JT40 is designed specifically for use with the Resuthane™ floor screed systems, in order to maintain the same standards of resistance to abrasion and chemical contact once it has been fully sealed.

## ADVANTAGES

- Suitable for forming radius coves
- Seamless finish
- High chemical resistance
- Resistant to hot water & steam
- Matt finish
- Extremely hard wearing

## RECOMMENDED USES

- Food manufacture & processing
- Brewing & beverage
- Dairies
- Commercial Kitchens
- Pharmaceutical & chemical plant processing
- Abattoirs
- Medical & Healthcare

## PRODUCT INFORMATION

<b>System Thickness (Recommended)</b>	4mm (depending on cove radius and height)
<b>Solids Content</b>	100% solids by weight
<b>Pack Sizes</b>	18 kg
<b>Pack Make Up</b>	1 x Base 1 x Hardener 1 x Aggregate
<b>Shelf Life</b>	12 months (Base & Hardener) 6 months (Aggregate)
<b>Storage</b>	Keep out of direct sunlight. Store in a dry place, not below 15°C. Aggregates must be kept in a dry area to prevent contamination from moisture, as this would have a detrimental effect on the product.

## APPLICATION INFORMATION at 20°C

<b>Coverage Rate (Theoretical)</b>	18 kg will form 6 linear metres to a height of 150mm with a base of 100mm and a full radius
<b>Pot Life</b>	15 minutes
<b>Recoating Intervals</b>	3 hours
<b>Light Traffic</b>	12 - 16 hours
<b>Full Traffic</b>	24 hours
<b>Full Chemical Cure</b>	3 - 5 days



## Specification

**Product :** Resuthane JT40

**Finish :** Textured, Matt

**Recommended thickness range :** 3–5mm

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

## Products required for this system

**Primer :** Resutack PU

**System :** Resuthane™ JT40 at required Thickness

**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 grease must be removed by mechanical means and detergent washing making sure all residue of the 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.

## Priming

Priming of surfaces should be carried out using **Resutack PU**. Once the area has been primed the **Resuthane™ JT40** should be applied immediately onto the wet primer. This will allow a chemical bond to form between the primer and the **Resuthane™ JT40** which will provide a stronger adhesive bond to the substrate.

## Application

**Resuthane™ JT40** 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, Thoroughly scrape the contents of the base and hardener components into the same container and mix thoroughly for one minute. Pour the combined base and hardener into a rotary drum mixer and add the aggregate component steadily, until a homogeneous mix of the three components is achieved. Apply to pre-primed areas with a coving trowel to form the skirting as required.

Note: Due to the different aggregates used in this vertical grade material, a variation in surface texture and colour density must be expected. Where a closer colour match is required to adjacent surfaces then **Resuthane™ T100** should be used to overcoat the **Resuthane™ JT40** within 24 hrs of application.

**Resuthane™ JT40** units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being laid.

## Category Guide

FeRFA Category : 8

## Technical Information

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

Slip Resistance Dry > 50, low slip potential

Method B57976 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

Temperature Resistance Tolerant of sustained temperatures of up to 85°C @ 5mm

Chemical Resistance Excellent chemical Resistance Consult Sherwin-Williams on specific materials

Compressive Strength 26.5 N/mm<sup>2</sup>

Flexural Strength 4.4 N/mm<sup>2</sup>

Tensile Strength 1.9 N/mm<sup>2</sup>

VOC 5g/l Calculated per full mixed unit

Life Expectancy Up to 10 years subject to industrial Traffic. Sherwin-Williams terms and conditions apply.



Sherwin Williams Protective & Marine  
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom  
Tel: +44 (0) 1204 521771 F: +44 (0) 1204 382115

13

**BSEN 13813 SR B 2.8- AR 0.5 - IR>4**

Resin coating/screed for use inside buildings as per data sheet

Wear resistance: AR 0.5

Bond strength: B 2.8

Impact resistance: IR > 4

## Maintenance and Cleaning

Sherwin-Williams recommend that **Resuthane JT40** 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 JT40** 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.

Sherwin-Williams Protective & Marine  
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom  
Tel: + 44 (0) 1204 521771 F: + 44 (0) 1204 382115  
W : Sherwin-williams.com/protectiveEMEA  
Registered in England : Reg. No. 893081  
Reg. Office Tower Works, Kestor Street, Bolton BL2 2AL England