

REF : THBW 2016 05

# Resuthane™ JT40

## 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.

## ADVANTAGES

- Suitable for forming radius coves
- Seamless finish
- High chemical resistance
- Resistant to hot water & steam water
- Matt finish
- Food safe & non taint (Campden BRI approved)
- Extremely hard wearing

## RECOMMENDED USES

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

## PRODUCT INFORMATION

System Thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
4mm	100 %	18 kg.	1 X Base 1 X Hardener 1 X Aggregate	12 Months (Base & Hardener) 3 Months (Aggregates)	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
18 kg. will form 6 linear metres to a height of 150mm with a base of 100mm and a full radius	15 minutes (From Mixing)	3 Hours	12 -16 Hours	24 Hours	3 - 5 Days



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## Specification

Product : Resuthane™ JT40

Finish : Textured, Matt

Thickness : 4mm

Colour : See RSL Resuthane™ Colour Chart

## Products required for this system

Primer : R.S. Tack Primer / Resuprime

System : Resuthane™ JT40 at required Thickness

Surface Seal : Resuthane™ T100

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™ JT40**, the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance.

All surfaces should be prepared by mechanical abrasion. **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.

## Priming

Priming of all surfaces should be treated with **R.S. Tack Primer**. **Resuthane™ JT40** should be applied onto the tacky primer, typically 45-60 mins. after application, in order to achieve a sound adhesive bond.

## Application

When the primed surface is tack free **Resuthane™ JT40** should be applied at the required rate as soon after mixing as possible. (Delay can result in variation in surface finish, colour and give rise to application problems).

**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 : n/a

## Technical Information

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

Slip Resistance Dry n/a  
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 0.15  
Method BS8204 /ASTM D4060

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

Chemical Resistance Excellent Chemical Resistance  
Consult RSL on specific materials


Compressive Strength 26 N/mm<sup>2</sup>

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

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

VOC 5 g/l  
Calculation based on a full mixed unit

Life Expectancy 10 years plus  
Subjected to Industrial Traffic  
RSL terms and conditions will apply

	
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<b>13</b>	
<b>BSEN 13813 SR B 2.8- AR 0.5 - IR&gt;4</b> Resin coating/screed for use inside buildings as per RSL data sheet Wear resistance: AR 0.5 Bond strength: B 2.8 Impact resistance: IR > 4	

## Maintenance and Cleaning

RSL 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 & 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

**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 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.

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