

**TECHNICAL DATA SHEET**

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**BETONTHANE™ UV 40** is a single-pack, high gloss, UV resistant, moisture-curing aliphatic polyurethane concrete sealer.

When cured, **BETONTHANE™ UV 40** provides an extremely tough and hardwearing film with excellent resistance to yellowing.

**USES:**

**BETONTHANE™ UV 40** may be used as a varnish, or protective glaze-coat for trafficable areas.

**BETONTHANE™ UV 40** is suitable for both interior and exterior application.

**Typical Properties:**

		<b>BETONTHANE™ UV 40</b>
<b>Colour</b>		Light Yellow (Dries clear)
<b>Recoat (2<sup>ND</sup> Coat)</b>	<b>(Hours)</b>	8 - 18 <i>Dependent on temperature &amp; humidity conditions.</i>
<b>Thinning</b>		For non-porous surfaces dilute 1 <sup>ST</sup> coat of <b>Betonthane™ UV 40</b> with <b>Urethane Coatings Thinners</b> at a <b>50:50</b> ratio.
<b>Coverage</b>	<b>(m<sup>2</sup>/Litre)</b>	3 – 10 <i>Dependent on concrete porosity.</i>
<b>Cure</b>	<b>(Hours)</b>	<i>Dependent on thickness of coating, temperature &amp; humidity conditions.</i>
	Foot Traffic	48
	Vehicular Traffic	72
<b>Shelf Life</b>	<b>(Months)</b>	12

## Application:

### Substrate Preparation

#### Application:

##### Newly Applied Concrete:

Is to be cured for a minimum of 14 days. Concrete is to be free from all contaminants, i.e. grease, oil, loose particles and cleaning agents.

##### Older Concrete:

Pre-prepare the concrete with diluted surfactant to degrease and wash with a high-pressure cleaner. Make sure all degreasing agent is removed and the concrete is dry before moving onto the next step.

- a) Acid etch concrete with hydrochloric acid (HCL). Dilution rate: 1L HCL to 20L water. (Always add the water first and the acid second to avoid potential splashing of the acid.). Smoother concrete will require a higher concentration of HCL.
- b) Apply evenly over the concrete with a plastic watering bucket. Pressure wash with water immediately after (before the acid dries) with a pressure of 2500PSI.
- c) Allow the surface to dry completely before sealing.
- d) Only apply **BETONTHANE™ UV 40** if surface is dry and contaminate free.
- e) **BETONTHANE™ UV 40** is supplied in ready-to-use pails. Please homogenize the product by mechanically mixing before application. **AVOID INTRODUCING AIR** into the product when mixing.

### First Coat Application:

- a) For non-porous surfaces dilute first coat of **BETONTHANE™ UV 40** with **Urethane Coatings Thinners** at a **50:50 ratio**. This will provide better substrate wetting and improved bonding.
- b) Use a 4-8mm mohair pile nap roller for application.

### Second Coat Application:

- a) Apply the second coat between 8-18 hours after the first coat.
- b) This will depend on temperature & humidity conditions. If re-coat window has been missed the first coat will have to be abraded, loose particles removed, and solvent wiped before the second coat can be applied.
- c) **Urethane Coatings Non-Skid 150 Slip Resistant** additive can be added to the final coat. Please refer to Urethane Coatings Non-Skid 150 datasheet.

### Cure Time:

1. **Foot Traffic** after a minimum of **48 hours**.
2. **Vehicular Traffic** after a minimum of **72 hours**.

Cure time supplied is approximate and will depend on thickness of coating, temperature & humidity conditions.

### Coverage:

**Betonthane™ UV40** has a coverage rate of **3m<sup>2</sup>-10m<sup>2</sup> per Litre**.  
(Depending on concrete porosity).

Kit Size (Litres)	Coverage Rate (m <sup>2</sup> )
4	12 – 40
10	30 – 100
20	60 – 200

### Pack Sizes:

**BETONTHANE™ UV 40** is available in 4L, 10L and 20L pack sizes.

**Storage:**

**BETONTHANE™ UV 40** should be stored under cover, out of direct sunlight in a cool and well-ventilated space. **DO NOT** store near oxidants or reducing agents and keep away from all potential ignition sources.

**Shelf Life:**

Shelf life of sealed **BETONTHANE™ UV 40** in its original container is **12 months** from the date of manufacture.

If stored longer than 12 months, product must be rechecked for suitability in the intended application.

**Safety:**

Please refer to **SDS** (Safety Data Sheet) for personal protection, proper handling and storage.

**Warranty:**

Written claims to be made to seller within 7 days of goods received. Urethane Coatings warrants its' products to be free of defects in materials, and within their manufacturing specification but makes no warranty as to application and installation. As methods of application and on-site conditions are beyond the manufacturers' control and can affect performance, Urethane Coatings makes no other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose.

Urethane Coatings sole obligation shall be, at its option, to replace, or refund the purchase of the quantity of Coatings proved to be defective and Urethane Coatings shall not be liable for any loss or damage including incidental or consequential damages arising from the use of Urethane Coatings products.

## PRODUCT IDENTIFICATION:

**UN No.:** 1993  
**D.G. Class:** 3  
**CAS No.:** PROPRIETARY  
**HAZCHEM:** 3Y P.G. III  
**PACK. GRP.:**  
**Correct Shipping Name:**  
**Manufacturers MANCODE:** URECOAT

**Notice to Readers:**

Urethane Coatings make no representation as to the completeness and accuracy of the data contained in this Technical Data Sheet. It is the user's obligation to evaluate and use this data, and to comply with all relevant Commonwealth, State and Local Government laws and regulations.

Urethane Coatings shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendations contained herein, from abnormal use of the material, or from any hazard inherent in the nature of the material.

**End of Technical Data Sheet**