



# X-Tech UraSeal WDS

High performance water dispersed polyurethane sealer and anti-scratch coat

## Product Description

X-Tech UraSeal WDS is a two component, high performance water dispersed polyurethane sealer and anti-scratch coat. The product is available as matt and semi gloss and is resistant to abrasion, weathering and a wide range of chemicals. The product can be applied to existing epoxy and polyurethane coatings and floors and to underlayments, concrete screeds and slabs.

## Advantages

- Meets SCAQMD Rule 1113 & LEED VOC Limits
- Primerless to most substrates
- Color stable
- Easy to apply
- Chemical resistant
- Excellent abrasion resistance
- Excellent scratch resistance

## Uses

- Anti-scratch coat
- Protective top coat for decorative resin floors
- Dust-proofer for masonry and concrete surfaces
- Sealer for walkways and pool decks
- Sealer for screeds, renders and plasters and other finishes

## Typical Properties

<b>Volume solids</b>	33%
<b>Flexibility (Conical Bend) ASTM D522</b>	Resistance to cracking 1/8" diameter
<b>Abrasion resistance ASTM4060-90 CS17 1,000 cycles</b>	<30 mg loss

## Chemical Resistance

Test Method ASTM D3912 (splash and spill)

Reagent	Rating
<b>Hydrochloric Acid 10%</b>	No effect
<b>Gasoline</b>	No effect
<b>Acetone</b>	No effect

Contact X-Calibur for specific advice on chemicals not shown above.

## Application Properties

<b>Application temperature</b>	10 to 40C
<b>Pot life</b>	8 hours at 25
<b>Drying time</b>	8 hours at 25C
<b>Foot traffic</b>	10 hours at 25C
<b>Recoat window</b>	10 to 24 hours at 25C

The above properties at 50% relative humidity will change depending on the relative humidity at time of application. Please refer to the method statement for more detail.

## Specification Compliance

SCAQMD Rule 1113  
LEED NC2009 IEQ 4.2

## Service Temperature Range

5 to 65C

## Volatile Organic Content

VOC = <100 g/L

## Color

Clear

RAL 7001 Silver Grey

RAL 6029 Mint Green

RAL 7035 Light Grey

Others colours available on request.

RAL 5017 Traffic Blue

RAL 1001 Beige

RAL 3002 Carmine Red

## Coverage

Between 8 to 12 m<sup>2</sup> per liter per coat to give a wet film thickness of 80 to 125 microns per coat  
The actual cover may vary depending on the density and porosity of the substrate.

## Packaging

5 and 15 liter packs

## Shelf Life

12 months when stored at 25C or less in a dry and shaded area. Protect from freezing.

## Installation Guidelines

X-Calibur provides detailed method statements for all its products for use in various applications. These must be

referred to prior to starting work. The information below is a summary intended for guidance only.

## **Surface Preparation**

### **Concrete Slabs**

Surface preparation is a most vital aspect of resin flooring application. Inadequate preparation could reflect in the finish and can also lead to loss of adhesion and ultimately failure of the floor. The concrete substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be prepared by captive blasting to produce a lightly exposed aggregate surface i.e. a ICRI CSP 3 surface profile. Any bug holes (blow holes) should be filled with X-Shield BugFill. If substrate is not level or is uneven, level using X-Tech LevelCem HD. When applied to porous concrete prime using X-Shield WD Primer.

### **Underlayments and Screeds**

Provided the surface is homogenous, smooth and free from containments and laitance X-Tech UraSeal WDS can be applied directly to the surface without any additional preparation or priming. Over coating time will be dependent on the type of screed or underlayment.

### **Epoxy and Polyurethane New Floors**

Apply within the re-coat window of the base coat. If the recoat window has been missed but is within 7 days wipe with X-Shield RC1 (see separate datasheet) and apply X-Tech UraSeal WDS.

### **Epoxy and Polyurethane Old Floors**

Abrade the surface to produce a rough to touch surface then wipe clean with X-Shield RC1 and apply immediately. A bond test is recommended when over coating existing flooring systems.

### **Priming**

The base and hardener have to mixed using a slow speed drill and approved mixing paddle until homogenous. The mixed primer should then be applied to the prepared substrate with a stiff brush or roller. Do not over apply or allow puddles of primer to form. If the primer is absorbed into the surface easily, it will be necessary to apply a second coat once the initial coat is tack-free. Allow the primer to become tack-free before application of the layer. Apply next layer within 24 hours of priming.

### **Mixing**

Pour all of the Part A into the Part B and mix for 2 to 3 minutes until homogenous using a suitable slow speed drill and mixing paddle, allow to stand for 2 minutes. After the 2 minute induction time apply the product.

## **Application**

Apply by brush, short-nap mohair roller, or airless spray. Two 80 to 125 micron coats are normally required. Allow first coat to dry for a minimum of 10 hours and a maximum of 24 hours at 25C before applying the final coat.

## **Clean Up**

Clean all equipment with water immediately after use. Clean any splatters or spills with water before material dries. Once cured, the product will require mechanical removal.

## **Limitations**

Do not be apply within 3C of the dew point or if it is within 5C of the dewpoint and dropping.

Do not apply in rain or wet conditions, Avoid skin contact.

Do not discard into the water system.

Do not add paint thinners, solvents, or any additives.

## **Health and Safety**

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. E-mail taltech@norcrossa.com or call 0860 000 825 for a copy of the MSDS.

## **Authorized Technical Specialist**

Please note that only TAL X-Calibur Authorized Technical Specialists are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product.

## **Datasheet Validity**

TAL X-Calibur make modifications to its product datasheets on a continuous basis. to ensure you have the latest version, e-mail taltech@norcrossa.com or call 0860 000 825 to ensure you have the latest version.

## **Important Notice**

TAL believes the information on this sheet to be correct - but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of TAL shall be to replace any of this product proved to be defective due to manufacturing defects. TAL shall not be liable for any injury, loss or damage, direct or inconsequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchant ability or any other warranty, express or implied.

Contact the TAL X-Calibur Technical Advice Centre on 0860 000 TAL(825), or e-mail taltech@norcrossa.com

Johannesburg+27 (0)11 206 9700 Cape Town +27 (021) 386 1810 Durban +27 (031) 579 2263

www.x-calibur.co.za www.tal.co.za

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