



## TECHNICAL DATA

### DURACRETE SYSTEM SL

#### SELF-LEVELLING EPOXY TOPPING

<b>DESCRIPTION</b>	This product is a solvent-free, self-levelling epoxy topping that is applied at from 1 - 3 mm thickness for medium duty protection. It is supplied in bulk as Resin Component (Duracrete System SL Resin), Hardener Component (Duracrete System SL Hardener), a pigment paste and filler pack. (Filler components may be sourced directly from supplier).
<b>USES</b>	Duracrete System SL is intended for use in the pharmaceutical, food processing, baking, beverage, dairy and meat industries over concrete or polymer concrete to level irregular floors and where an easily cleaned, chemical and abrasion resistant coloured flooring is required. Normally finished with a coloured wear coat optimised for slip resistance and cleanability.
<b>COLOUR</b>	Grey and beige are standard. Other colours by request.
<b>FEATURES</b>	Highly filled, to lower the co-efficient of linear thermal expansion. Flexibilised to improve thermal shock resistance and maximise impact strength. Fast installation.
<b>SURFACE PREPARATION</b>	Surfaces to be overlaid must be thoroughly cleaned and keyed. Unsound toppings or surfaces must be removed and defects repaired. Prime with Duraprime AEP in accordance with the Product Data Sheets, or as specifically recommended by Uroxsys. Multicoat primer if required on porous surfaces to ensure it is properly sealed.
<b>APPLICATION</b>	Using a Jiffy blade and slow (300 rpm) drill, mix resin and pigment paste. Add filler pack and mix in until smooth. Then add hardener. Mix thoroughly for a minimum of three minutes, scraping the sides and the bottom of the container at least twice to ensure a thorough mix. Avoid mixing in air bubbles as much as possible, and allow mix to stand for 1-2 minutes to permit bubble release. Apply with pin screed or notched trowel. Allow trapped air bubbles to surface, then thoroughly roll with spiked roller to complete bubble release and aid flow. Wear spiked shoes to access during installation. <b>DO NOT ADD SOLVENTS TO THE MIX.</b>
<b>OVERCOATING</b>	If overcoating with Duracoat AUSF, AUGF, MCL or MCR, the cured surface should be thoroughly cleaned with acetone or MEK using clean cloths before lightly sanding to provide a key.

**TECHNICAL DATA:**

Components:	SSL epoxy resin SSL epoxy hardener Pigment paste Fillers
Mix ratios:	Mix ratios may vary depending on the hardener. See Mixing Instructions (separate datasheet)
Film Thickness:	1-3 mm
Coverage Rate:	100% solids 1m <sup>2</sup> /l at 1000 microns (1mm)
Dry Time @20 °C:	6 - 12 hours. Varies with hardener and substrate temperatures.
Recoat Time:	Within 48 hours for epoxy topcoats – refer CAUTION below.
Topcoating:	A range of Uroxsys topcoats are available on specific recommendation.
Shelf Life:	One year in sealed containers.

**CAUTION:**

The cure of epoxy products can be affected by moisture, which reacts with the hardener to give a surface "bloom". This blooming can give a permanent loss of gloss, less than normal chemical and physical resistance at the surface, and affect inter-coat adhesion if over-coated.

1. Take all reasonable steps to minimise the risk of water, moisture, or excessive humidity exposure during the cure period (which may be several days in cold temperatures).
2. Solvent clean cured surface with MEK or acetone before recoating or overcoating to remove any surface bloom. Sanding may be required if surface remains tacky after solvent wiping.

**SAFETY DATA:**

Wear protective clothing and safety goggles. Gloves are essential. Avoid contact with exposed skin. Before commencing work, apply barrier cream.

**This information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.**

SL, TD 8 MAR14