

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## SURESEAL SL Sanitized

### ANTI-BACTERIAL SELF-LEVELING EPOXY TOPPING

#### DESCRIPTION

**SURESEAL SL Sanitized** is a pigmented epoxy resin-hardener flooring system with bacteriostatic effect against a large number of grampositive and gramnegative bacteria; yeast and fungi. Due to the self-smoothing properties, the resin-hardener mixture levels itself to form a seamless, hardwearing and attractive floor topping which is chemical resistant, impervious and extremely easy to maintain. **SURESEAL SL Sanitized** is available in a wide variety of colours to suit the specific requirements of architects and facility owners.

#### RECOMMENDED USES

**SURESEAL SL Sanitized** is designed to provide floors with maximum safety against bacterial growth. It is typically used to enhance, beautify and protect floors. It is the ideal material for industrial and commercial locations where a hardwearing, hygienic and anti-bacterial environment is important. Some of the common locations where **SURESEAL SL Sanitized** is highly recommended are laboratories, hospitals, schools, chemical plants, electronic and electrical factories, food and pharmaceutical factories, kitchens and gymnasium.

#### NOT RECOMMENDED FOR

Not suitable for continuous immersion in solvents and strong acids .

#### ADVANTAGES

- Seamless - prevents ingress of chemicals into the substrate and prevents bacterial growth.
- Attractive - provides a very smooth and aesthetic surface in a wide range of colours.
- Life long anti-bacterial properties.
- Easy house keeping - extremely easy to maintain.
- Hard wearing - exhibits excellent abrasion resistance for foot and trolleys.
- Low odour - no strong unbearable odour like some other flooring materials.
- Chemical resistant - very good resistance to many industrial chemicals.
- Environmental friendly - ZERO VOC content.

#### TYPICAL CHEMICAL RESISTANCE

EXPOSURE	SPLASH & SPILLAGE
Acids	Very Good
Alkali	Excellent
Solvents	Very Good
Salts	Excellent
Water	Excellent

#### PHYSICAL DATA

Solids	: 100%
No. of Components	: Three
Mixing Ratio	: A:B:C / 5.0 : 2.0 : 8.0 kg
Recommended thickness	: 2 mm to 5 mm thick
Theoretical	: 3 kg/m <sup>2</sup> @ 2 mm thickness
Coverage	
Pot Life	: 20 minutes at 30°C
Packing Size	: PART A – 10 kg PART B – 4 kg PART C – 16 kg
Drying Time	
Initial cure	: 24 hours
Full traffic	: 48 hours
Full cure	: 7 days
Temperature	: Continuous 93°C
Resistance	: Non-continuous 125°C
Compressive Strength	: 80 N/mm <sup>2</sup>
Flexural Strength	: 32 N/mm <sup>2</sup>
Tensile Strength	: 18 N/mm <sup>2</sup>
Impact resistance	: 4.0 kg.m
Abrasion resistance	: 0.0973 mg/500 cycles ASTM D4060

#### APPLICATION INSTRUCTIONS

**Surface Preparation** : Concrete surface should be clean and free from oil, grease and other contaminants. New concrete shall be allowed to cure for at least 28 days before application of primer.

**Primer** : Application of SURESEAL PS28 concrete primer will enhance the adhesion of the screed materials to the concrete slab and avoid excessive bubbling during application of topping.

**Mixing** : Stir PART A thoroughly then add the entire content of PART B into PART A container and mix till homogeneous. Mix in PART C while stirring continues till homogeneous.

**Application** : Mixed materials shall be spread using trowels according to the recommended coverage. Special care must be taken to ensure mixed materials are poured out from the containers as soon as possible after mixing to prevent excessive heating during the chemical reaction between the resin and the hardener. That will shorten the pot life of the mix. The materials shall be spike rolled thoroughly after spreading to remove bubbles formed during spreading.