

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## SURESEAL SL SELF-LEVELING EPOXY TOPPING

#### DESCRIPTION

**SURESEAL SL** is a pigmented epoxy resin-hardener flooring system. Due to the low viscosity flowable property, the resin-hardener mixture levels itself to form a seamless, hard-wearing and attractive floor topping which is chemical resistant, impervious and extremely easy to maintain. **SURESEAL SL** is available in a wide variety of colours to suit the specific requirements of architects and facility owners.

#### RECOMMENDED USES

**SURESEAL SL** is typically used to enhance, beautify and protect floors. It is the ideal material for industrial and commercial locations where a hard wearing, hygienic and dust free environment is important. Some of the common locations where **SURESEAL SL** is highly recommended are laboratories, hospitals, chemical plants, electronic and electrical factories, showrooms, food and pharmaceutical factories, assembly plants and exhibition halls.

#### 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.
- Easy house keeping - extremely easy to maintain.
- Hard wearing - exhibits excellent abrasion resistance for foot and light vehicular traffic.
- 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

For exposure to specific chemicals, please contact PLC Laboratory Technical Division for further assistance.

#### 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 Coverage	: 3.2 kg / m <sup>2</sup> @ 2mm thickness
Pot Life	: 20-25 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
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	: 4kg.m
Abrasion resistance	: 0.0973mg/5000 cycle 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 or SURESEAL PS 38 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.