

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

SURESEAL SF CLEAR SOLVENT FREE EPOXY BINDER

DESCRIPTION

SURESEAL SF is a clear epoxy resin-hardener flooring system. This clear epoxy resin system can be used as a binder or grout coat for colour quartz trowel-on system.

RECOMMENDED USES

SURESEAL SF flooring systems are 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 SF** flooring systems are 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 variety of patterns.
- 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	: Two
Mixing Ratio	: A:B / 5 : 3
Pot Life	: 20 minutes at 30°C
Packing Size	: PART A – 3.12 kg PART B – 1.88 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	: 82 N/mm ²
Flexural Strength	: 32 N/mm ²
Tensile Strength	: 18 N/mm ²
Impact resistance	: 4.0 kg.m

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 PS38 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.

Application : Application of **SURESEAL SF** can be carried out using either trowel or squeegee. Consult PLC Laboratory Technical Division for application procedures for specific system to be carried out.