PRODUCT DATA SHEET

Rev. 2/01.07

SURESEAL 2005 SF
SOLVENT FREE EPOXY BINDER

DESCRIPTION

SURESEAL 2005 SF is a pigmented two component solvent-free pigmented epoxy binder. This low viscosity epoxy binder is formulated using liquid epoxy resin and high chemical resistant cycloaliphatic amine hardener. It is designed to be used for solvent free high build epoxy coating, textured coating, broadcast floor, self-smoothing epoxy topping and epoxy mortar screed. **SURESEAL 2005 SF** is resistant to most industrial chemicals. It is also recommended for light to heavy vehicular traffic depending on the thickness and the type of aggregates used. A non-skid surface can be achieved by broadcasting the correct size of aggregates on the surface before the surface is hardened.

RECOMMENDED USES

SURESEAL 2005 SF has been designed for industrial and commercial floors to suite the individual taste and requirements of different industries. It is recommended for chemical plants, pharmaceutical facilities, food processing factories, clean rooms, laboratories, hospitals, showrooms, electronic and electrical factories, parking garage and other light to heavy duty manufacturing and warehousing facilities. **SURESEAL 2005 SF** is also suitable as a binder for FRP lamination applications.

NOT RECOMMENDED FOR

Not suitable for continuous immersion in solvents and strong acids.

ADVANTAGES

- Universal application.
- Seamless - prevents ingress of chemicals into the substrate and prevents bacterial growth.
- Hard wearing - suitable for vehicular traffic.
- Hygienic - provide easy to clean dust free surface.
- Easy maintenance - facilitate house-keeping works and lower maintenance costs.
- Colour variety - available in wide range of colours to suit individual needs.
- Solvent Free - Low odour and environmental friendly.

CHEMICAL RESISTANCE GUIDE

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

PHYSICAL DATA

Solids	: 100%
No. of Components	: Two
Mixing Ratio	: 4 to 1 by weight ratio
Pot Life	: 30 minutes at 30°C
Packing Size	: PART A – 4.0kg PART B – 1.0kg
Drying Time	: Initial cure – 24 hours Full traffic - 48 hours. Full cure - 7 days

MECHANICAL PROPERTIES

Compressive Strength	: 88 N/mm2
Tensile Strength	: 50 N/mm2
Flexural Strength	: 55 N/mm2
Shore D Hardness	: 80
Taber Abraser	: 0.034 gm/1000 cycles

APPLICATION INSTRUCTIONS

Surface Preparation : Substrate should be clean and free from oil, grease and other contaminants. Concrete substrate shall have compressive strength of minimum 25 N/mm^2 and moisture content of maximum 4%. For concrete substrate with moisture content higher than 4%, a moisture barrier is recommended. New concrete shall be allowed to cure for at least 28 days before application. The ideal method of surface preparation is by captive blasting or mechanical scarifying in order to achieve the highest degree of adhesion between the resin and the concrete substrate.

1. Solvent Free Coating (0.6 mm)

1^{st} Layer : 0.5 kg/m^2
2^{nd} Layer : 0.3 kg/m^2

Application
Stir Component A thoroughly and add Component B in the right mixing ratio. Mixing shall be done with low speed power mixer until a homogeneous mixture is achieved. Application shall be carried out using short hair roller.

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

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