

FEATURES

: Floorguard 1000 SL is a heavy duty floor coating for concrete, base on non-solvent epoxy resin with smooth and self leveling property. Use for protecting and sealing new or existing concrete floors, easy washed and cleaned, no dust, impact resistance, chemical resistance and have MICROBAN for protect bacterial. As a topcoat for concrete floor in chemical plants, warehouse, factory, cagewash areas, chemical processing plants, warehouse, factory, food and beverage plants.

TECHNICAL INFORMATION

Type	: Epoxy / Polyamide Solvent Free finish topcoat
Color	: White and other
Film appearance	: Gloss
Specific gravity	: 1.17 ± 0.05
Solid by volume	: 100%
Flash point	: >100 °C

		Minimum	Maximum	Recommended
Dry film thickness	(Microns)	1000	2000	1000
Wet film thickness	(Microns)	1000	2000	1000
Theoretical coverage.	m ² / Liter	1.0	0.5	1.0
	m ² / Gallon	3.8	1.9	3.8
Practical coverage.	m ² / Liter	0.9	0.45	0.9
	m ² / Gallon	3.4	1.7	3.4

Remark : Actual Surface coverage will depend on surface irregularities, Mixing, Application Condition method and technique; as well as the structure and dimensions of the object to be coated.

	Temperature	25 °C	30 °C	35 °C
Touch dry	Surface dry	4 hrs.	3 hrs.	2 hrs.
	Hard dry	18 hrs.	16 hrs.	12 hrs.
Recoat dry	Minimum	18 hrs.	16 hrs.	12 hrs.
	Maximum	5 days	5 days	5 days
Potlife		45 mins	30 mins	20 mins

Remark : Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

FILM PERFORMANCE

Properties	Test Method	Criteria	Results
Adhesion	ASTM D 3359	5B	Passed
Bond Strength (kg/cm ²)	ASTM C190	11	Passed
Bond Strength (kg/cm ²)	ASTM C882	135	Passed
Compressive Strength (kg/cm ²)	ASTM D695	830	Passed
Flexural Strength (kg/cm ²)	ASTM C348	520	Passed
Tensile Strength (kg/cm ²)	ASTM D638	186	Passed
Shore D Hardness	ASTM D2240	80	Passed



APPLICATION

Chemical Resistance	ASTM D 1308	24 hrs.	Passed
Mixing Ratio	Part A	Part B	Part C
By Volume	2	1	0.8
By Weight	2	1	1.5

Application Method	Brush / Roller	Trowel
Diluted by	No Diluted	No Diluted
Applicator	Short Hair Stiff Nylon Roller (Stanley) Stiff Nylon Brush	Steel bladed trowel, Pin rake or Serrated hand trowel, Spiked roller

: Mix Part A, Part B and Part C, strictly follow mix ratio recommendations and stir for 2-3 minutes until the mixture is homogeneous after leave 5 minutes before application.
: Thinner No. 31 for cleaning only

APPLICATION SYSTEM

Surface Preparation

Floor

: For New concrete - The concrete prior to laying plastic sheets to block moisture from underground. Then it should be left for curing concrete to solid and dry for about 3-4 weeks. Then, clean the surface free from dust, dirt, grease and most importantly, the surface is completely dry. (Check moisture content must be less than 10%)

: For Old concrete - To remove the old paint film which loosely adhesion to as much as possible by Scraping with a shovel or Grinding machine to enhance adhesion. Then, clean the surface free from grease and oil with suitable solvent. Before primer coating should clean all surfaces free from dust, dirt, grease and most importantly, the surface is completely dry. (Check moisture content must be less than 10%).

: For Floor Hardener or Surface glossy finish :

: Concrete surface preparation by using dust free captive blasting units, grinding equipment, sand blasting for increase adhesion of coating.

: Inspect the concrete for bug holes void, fin and other imperfections. Protrusions shall be ground smooth while voids shall be filled with Floorguard Putty or other suitable filler and polishing of surface with moltoprene disk.

: After cleaning, repair surface defects and remove deteriorated previous coatings. (Check moisture content must be less than 10%).

: Remover all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning before coating.

: If over 7 days gives cleaning surface by sand paper no. 320-400 and cleaning surface per SSPC-SP1, Solvent Cleaning before coating.

: Surface repaire (cracks, pores, holes) done with TOA Epoxy putty and polishing of surface with moltoprene disk.

Before Recoat by Topcoat

Coating System

For Interior

Protective Coating

: Primer	Floorguard Primer	50 microns x 1 coat
: Topcoat	Floorguard 1000 SL	1000 microns x 1 coat
: Primer	Penetrating Sealer	50 microns x 1 coat

For Floor Hardener or



<p>Surface glossy finish</p> <p>Recommendation</p>	<p>: Topcoat Floorguard 1000 SL 1000 microns x 1 coat</p> <p>: The proper relative humidity in the work shall not exceed 85% RH.</p> <p>: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air , temperature and relative humidity measured in the vicinity of the substrate for prevent moisture and water drop on substrate effective adhesion and drying time.</p>												
<p>HANDLING AND STORAGE</p> <p>Storage condition</p> <p>Shelf life</p> <p>Package</p>	<p>: The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition.</p> <p>: 24 months at 30-35 °C</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">Packaging size</td> <td style="text-align: center;">Part A :</td> <td style="text-align: center;">Part B :</td> <td style="text-align: center;">Part C :</td> </tr> <tr> <td style="text-align: center;">1 Gallon Set</td> <td style="text-align: center;">1 Gallon</td> <td style="text-align: center;">1/4 Gallon</td> <td style="text-align: center;">1 Gallon</td> </tr> <tr> <td style="text-align: center;">5 Gallon Set</td> <td style="text-align: center;">5 Gallon</td> <td style="text-align: center;">1 Gallon</td> <td style="text-align: center;">1 Gallon</td> </tr> </table>	Packaging size	Part A :	Part B :	Part C :	1 Gallon Set	1 Gallon	1/4 Gallon	1 Gallon	5 Gallon Set	5 Gallon	1 Gallon	1 Gallon
Packaging size	Part A :	Part B :	Part C :										
1 Gallon Set	1 Gallon	1/4 Gallon	1 Gallon										
5 Gallon Set	5 Gallon	1 Gallon	1 Gallon										
<p>HEALTH AND SAFETY</p>	<p>: Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.</p> <p>: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Safety Data Sheet.</p>												
<p>DISCLAIMER</p>	<p>: The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.</p>												