



## FEATURES

: Floorguard 100 Non-Slip is three-pack high gloss epoxy topcoat give a non slip floor finish. Use for floor coating have excellent durability, adhesion, excellent chemical resistance and abrasion resistance. As a finishing coat in epoxy system in used where non slip areas are required in locations can be applied on concrete surface.

It is a protective for factory floor, cagewash areas, chemical processing plants, warehouse, factory, food and beverage plants.

## TECHNICAL INFORMATION

Type	: Epoxy / Polyamide high gloss finish topcoat (Non-Slip)
Color	: White and other
Film appearance	: Gloss
Specific gravity	: 1.03 ± 0.05
Solid by volume	: 55 ± 2 %
Flash point	: 34 °C

		Minimum	Maximum	Recommended
Dry film thickness	(Microns)	50	60	50
Wet film thickness	(Microns)	91	109	91
Theoretical coverage.	m <sup>2</sup> / Liter	11.0	9.2	11.0
	m <sup>2</sup> / Gallon	41.6	34.7	41.6
Practical coverage.	m <sup>2</sup> / Liter	10.5	8.7	10.5
	m <sup>2</sup> / Gallon	40.0	33.0	40.0

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	10 hrs.	8 hrs.	6 hrs.
Full cure	Minimum	10 hrs.	8 hrs.	6 hrs.
	Maximum	-	-	-
Potlife		16 hrs.	12 hrs.	10 hrs.

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
Flexibility	ASTM D 522 (Method B)	3 mm	Passed
Impact Test	ASTM D 2794	60 inch-pounds	Passed
Abrasion Resistance	ASTM D 4060	200 mg (Loss)	Passed
	<small>CS-17 Wheels, 1000 g load, 1000 cycles</small>		
Chemical Resistance	ASTM D 1308	24 hrs.	Passed

## APPLICATION

Mixing Ratio	Part A	Part B	Part C
By Volume	4	1	0.2
By Weight	5	1	0.5



Application Method	Airless Spray	Air Spray	Brush / Roller
Diluted by <b>TOA Thinner 31</b>	5-10	10-20	10-15
Applicator	Graco 419 Graco 412	Coventional Spray (Iwata)	Short Hair Stiff Nylon Roller (Stanley) Stiff Nylon Brush
Pressure	50-180 kg/cm <sup>2</sup>	3-4 kg/cm <sup>2</sup>	-

Mix Part A, Part B and Part C, strictly follow mix ratio recommendations before add Part C and dilute by Thinner mixing and stir for 2-3 minutes until the mixture is homogeneous after leave 5 minutes before application.

While use paint for application should be stirred constantly to prevent Part C, which is a sand settle.

## 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%).

#### Before Recoat by Topcoat

: 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 reaire (cracks, pores, holes) done with Floorguard Putty and polishing of surface

### Coating System

#### For Interior

#### Protective Coating

: Primer	Floorguard Primer	50 microns x 1 coat
: Topcoat	<b>Floorguard 100 Non-Slip</b>	<b>50 microns x 2 coats</b>

#### For Floor Hardener or Surface glossy finish

: Primer	Penetrating Sealer	50 microns x 1 coat
: Topcoat	<b>Floorguard 100 Non-Slip</b>	<b>50 microns x 2 coats</b>



<b>Recommendation</b>	<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>			
<b>HANDLING AND STORAGE</b>				
Storage condition	: 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.			
Shelf life	: 24 months at 30-35 °C			
Package	Packaging size 1 Gallon Set	Part A : 1 Gallon	Part B : 1/4 Gallon	Part C : 1/4 Gallon
<b>HEALTH AND SAFETY</b>	<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>			
<b>DISCLAIMER</b>	<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>			