

FEATURES

- : Floorguard 100 WB is a two pack epoxy waterborne and polyamide for industrial floorcoating. It is designed penetrate damp or wet surface on concrete, green concrete and block.
- : Hardness film waterborne epoxy for floor and wall.
- : Abrasion resistance.
- : Chemical and stain resistance.
- : Resists splash and spillage of alkali, salt, moisture, oil, grease, foodstuffs and detergents.
- : Long lasting tile - like finish.
- : Easy application, lower odor and fast dry.
- : Easy washed and cleaned.
- : No contained Lead and Mercury.
- : Safety health for user and tenant.
- : Suitable for general factory, food industry, pharmaceutical industry, dairies food center, canteen, school, nursing home, hospital, hotel, department store and supermarket.
- : As a finish gloss epoxy coating for facilities applications such as hospitals, school, nursing homes, commercial building or industrial plants where the presence of solvent odor and low flammability problems would normally prohibit the application. Suitable for use on structural surface on surface where there is a possibility of incidental, food contact in commercial food preparation establishments, food processing plant and federally inspected meat and poultry plants.

TECHNICAL INFORMATION

Type	: Epoxy / Polyamide waterborne finish topcoat
Color	: White and other
Film appearance	: Semi - Gloss
Specific gravity	: 1.42 ± 0.05
Solid by volume	: 60 ± 2 %
Flash point	: Not Flammable

	Minimum	Maximum	Recommended	
Dry film thickness (Microns)	40	60	50	
Wet film thickness (Microns)	67	100	83	
Theoretical coverage.	m ² / Liter	15.0	10.0	12.0
	m ² / Gallon	56.8	37.9	45.4
Practical coverage.	m ² / Liter	13.5	9.0	10.8
	m ² / Gallon	51.0	34.0	41.0

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.

	25 °C	30 °C	35 °C	
Touch dry	Surface dry	2 hrs.	1.5 hrs.	1 hr.
	Hard dry	5.5 hrs.	5 hrs.	4.5 hrs.
Recoat dry	Minimum	24 hrs.	24 hrs.	24 hrs.
	Maximum	-	-	-
Potlife	2 hrs.	1.5 hrs.	1 hr.	

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
Pencil Hardness	ASTM D3363	2H	Passed

APPLICATION

Mixing Ratio	Part A	Part B	
By Volume	4	1	
By Weight	5	1	
Application Method	Airless Spray	Air Spray	Brush / Roller
Diluted by	5-10	15-20	10-15
WATER			
Applicator	Graco 415	Coventional Spray (Iwata)	Short Hair Stiff Nylon Roller (Stanley)
	Graco 513		Stiff Nylon Brush
Pressure	120-150 kg/cm ²	3-4 kg/cm ²	-

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

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%).

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 repara (cracks, pores, holes) done with TOA Floorguard putty and polishing of surface with moltoprene disk.

Coating System

For Interior

Protective Coating

: Primer	Floorguard Primer WB	50 microns x 1 coat
: Topcoat	Floorguard 100 WB	50 microns x 2 coats

**Recommendation**

: The proper relative humidity in the work shall not exceed 85% RH.
 : 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.

HANDLING AND STORAGE**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	Part A :	Part B :
1 Gallon Set	1 Gallon	1/4 Gallon

HEALTH AND SAFETY

: 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.
 : For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Safety Data Sheet.

DISCLAIMER

: 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.