



Rev. 1 10/2017

## FEATURES

: EPOGUARD 100 is a high build epoxy tank coating.  
 : As a epoxy tank coating for interior. It has chemical resistance to salt-water, fresh water, petroleum products crude oil, alkali and weak acid.

## TECHNICAL INFORMATION

Type : Epoxy high build for interior tank containing  
 Color : White and Grey  
 Film appearance : Matt  
 Specific gravity : 1.40 ± 0.05  
 Solid by volume : 59 ± 2 %  
 Flash point : 21 °C

		Minimum	Maximum	Recommended
Dry film thickness	(Microns)	100	125	100
Wet film thickness	(Microns)	169	212	170
Theoretical coverage.	m <sup>2</sup> / Liter	5.9	4.7	5.9
	m <sup>2</sup> / Gallon	22.3	17.9	22.3
Practical coverage.	m <sup>2</sup> / Liter	5.3	4.2	5.3
	m <sup>2</sup> / Gallon	20.0	16.0	20.0

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	1 hr.	30 mins	20 mins
	Hard dry	10 hrs.	6 hrs.	4 hrs.
Full cure	Minimum	10 hrs.	6 hrs.	4 hrs.
	Maximum	7 days	5 days	4 days
Potlife		4 hrs.	3 hrs.	2 hrs.

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

## APPLICATION

	Mixing Ratio	Part A	Part B	
	By Volume	4	1	
	By Weight	85	15	
Application Method		Airless Spray	Air Spray	Brush / Roller
Diluted by TOA Thinner 12		5-10	15-20	10-15
Applicator		Graco 419 Graco 412	Coventional Spray (Iwata)	Short Hair Stiff Nylon Roller (Stanley) Stiff Nylon Brush
Pressure		150-180 kg/cm <sup>2</sup>	3-4 kg/cm <sup>2</sup>	-



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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

#### Steel

: Should be blast cleaned in accordance with NACE No.2 / SSPC-SP10 / ISO 8501:1 / SIS Sa 2.5 to a near-white finish using a suitable abrasive. And/or by use the surface preparation with requirements. of the primer and/or as the Spec of the project.

**Remark** : The surface must be thoroughly dry and apply the protective coating within 4 hours to cleaned surface.

#### Wall

: 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 14%)

: 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 14%).

#### Before Recoat by Topcoat

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

### Coating System

Protective protective Coating  
and  
Concrete protective Coating

: Primer & Topcoat                      Epoguard 100                      100 microns x 3 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.

### 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.

## HANDLING AND STORAGE

### Shelf life

: 24 months at 30-35 °C

: 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. Containers must be kept tightly closed.

### Package

Packaging size  
1 Gallon Set

Part A :  
1 Gallon

Part B :  
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.