

## FEATURES

: Epoguard Varnish is a two pack epoxy and polyamide clear for concrete primer  
As a primer for concrete surface on epoxy system in factory floor and wall. It has an excellent properties for adhesion and penetrate into concrete surface, abrasion resistance, resistance to water, weak acid, weak basic and chemical

## TECHNICAL INFORMATION

Type	: Epoxy / Polyamide Primer
Color	: Clear
Film appearance	: Gloss
Specific gravity	: 1.03 ± 0.05
Solid by volume	: 55 ± 2 %
Flash point	: 28 °C

		Minimum	Maximum	Recommended
Dry film thickness	(Microns)	40	60	50
Wet film thickness	(Microns)	73	109	91
Theoretical coverage.	m <sup>2</sup> / Liter	13.8	9.2	11.0
	m <sup>2</sup> / Gallon	52.0	34.7	41.6
Practical coverage.	m <sup>2</sup> / Liter	9.6	6.4	7.7
	m <sup>2</sup> / Gallon	36.0	24.0	29.0

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	14 hrs.	13 hrs.	12 hrs.
Full cure	Minimum	16 hrs.	14 hrs.	12 hrs.
	Maximum	2 days	2 days	2 days
Potlife		10 hrs.	9 hrs.	8 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	5	1	
Application Method	Airless Spray	Air Spray	Brush / Roller
Diluted by	-	15-20	10-15
<b>TOA Thinner 31</b>			
Applicator	-	Coventional Spray (Iwata)	Short Hair Stiff Nylon Roller (Stanley)
	-		Stiff Nylon Brush
Pressure	-	3-4 kg/cm <sup>2</sup>	-

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

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 Coating

: <b>Primer</b>	<b>Epoguard Varnish</b>	<b>50 microns x 1 coat</b>
: Topcoat	Epoguard Enamel (for inside area)	50 microns x 2 coats
	or	
	Topguard (for outside area)	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.