



Rev. 1 10/2017

FEATURES

: WATERGUARD PRIMER is a primer base on acrylic emulsion resin and corrosion- inhibiting zinc phosphate pigment. It is characterized with strong adhesion to galvanized steel, aluminium, steel and concrete.

: As a rust preventing primer on steel structures, concrete towers, stacks and tanks. It is suitable of being top coated by most solventborne coatings.

TECHNICAL INFORMATION

Type : Acrylic waterborne Primer
 Color : Grey
 Film appearance : Matt
 Specific gravity : 1.18 ± 0.02
 Solid by volume : 42 ± 2 %
 Flash point : Non flammable

	Minimum	Maximum	Recommended
Dry film thickness (Microns)	30	50	40
Wet film thickness (Microns)	71	119	95
Theoretical coverage.	m ² / Liter	14.0	8.4
	m ² / Gallon	53.0	31.8
Practical coverage.	m ² / Liter	12.6	7.6
	m ² / Gallon	47.7	28.6

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	60 mins	45 mins
	Hard dry	3.5 hrs.	2.5 hrs.
Full cure	Minimum	3.5 hrs.	2.5 hrs.
	Maximum	-	-

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	1	-	
By Weight	1	-	
Application Method	Airless Spray	Air Spray	Brush / Roller
Diluted by TOA Thinner 12	5-10	15-20	10-15
Applicator	Graco 621 Graco 623	Coventional Spray (Iwata)	Short Hair Stiff Nylon Roller (Stanley) Stiff Nylon Brush
Pressure	150-180 kg/cm ²	3-4 kg/cm ²	-

Rev. 1 10/2017

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

Remove all oil, grease, dirt, oxide and other foreign material.

High Quality

: 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.

Medium Quality

: Treatment by using Power tool cleaning in accordance with SIS St 3 or SSPC-SP3 .

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

Non-Ferrous Metals (Galvanized Steel)

: Treatment by using Hand tool cleaning in accordance with SIS St 2 or SSPC-SP2 for increase adhesion between paint and substrate and use paint system recommend by Paint Manufacturer

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.

Coating System

Protective Coating

: **Primer** **Waterguard Primer** **40 microns x 1 coat**

: Topcoat Waterguard Topcoat 40 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

: 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

1 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.



Rev. 1 10/2017

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.