



## FEATURES

: Max Zinc is a two-pack, moisture curing Ethyl Sillicate Inorganic Zinc base.  
 : As a protective coating for oil tank, bridge, steel structure, pipe. It gives excellent protection against corrosion and prolonged weather resistance and highly resistance to oil, solvent, fresh and salt water.  
 Max Zinc withstands temperature up to 400 °C

## TECHNICAL INFORMATION

Type : Inorganic Zinc-Rich Primer  
 Color : Grey  
 Film appearance : Matt  
 Specific gravity : 1.18 ± 0.05  
 Solid by volume : 60 ± 2 %  
 Flash point : 28 °C

		Minimum	Maximum	Recommended
Dry film thickness	(Microns)	75	100	75
Wet film thickness	(Microns)	125	167	125
Theoretical coverage.	m <sup>2</sup> / Liter	8.0	6.0	8.0
	m <sup>2</sup> / Gallon	30.3	22.7	30.3
Practical coverage.	m <sup>2</sup> / Liter	7.2	5.4	7.2
	m <sup>2</sup> / Gallon	27.3	20.4	27.3

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	15 mins	10 mins	5 mins
	Hard dry	3 hrs.	3 hrs.	3 hrs.
Full cure	Minimum	20 hrs.	18 hrs.	16 hrs.
	Maximum	-	-	-
Potlife		7 hrs.	5 hrs.	4 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
Pencil Hardness	ASTM D 3363	2H	Passed
Impact Test	ASTM D 2794	60 inch-pounds	Passed
Salt Spray Resistance	ASTM B 117	1000 hrs.	Passed



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## APPLICATION

Mixing Ratio	Part A	Part B	
By Volume	4	1	
By Weight	3	7	
Application Method	Airless Spray	Air Spray	Brush / Roller
Diluted by TOA Thinner 12	5-10	15-20	10-15
Applicator	Graco 419 Graco 519	Coventional Spray (Iwata)	Short Hair Stiff Nylon Roller (Stanley) Stiff Nylon Brush
Pressure	100 kg/cm <sup>2</sup>	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

#### 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.  
Remover all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning before coating.  
The surface must be thoroughly dry and apply the protective coating within 4 hours to cleaned surface.

#### 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.

### Coating System

#### Protective Coating

<b>: Primer</b>	<b>Maxzinc</b>	<b>75 microns x 1 coat</b>
: Undercoat	Epoguard HB or Epoguard MIO	100 microns x 1 coat
: Topcoat	Epoguard Enamel (for inside area) or Topguard (for outside area)	50 microns x 2 coats  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  
: 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	Part A :	Part B :
1 Gallon Set	1 Gallon	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.

## 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.