

# Zinc Anode 304 MZS Inorganic Zinc Silicate Coating

## USES

Recommended for use on steel structurals, exterior of storage tanks, bulk handling equipment, pipelines, etc. The product is suitable for both coastal and industrial/inland environments.

### SCOPE

A two pack solvent base inorganic zinc primer for protection of steel against severe corrosive environment. It provides outstanding cathodic protection and forms a tough abrasion resistant film. It is however, not recommended for contacts with strong acids or alkalis of pH below 5 or exceeding 10. The coating attains water resistance within 30 minutes of application and is unaffected by rain, condensation or dew.

**RESISTANCE GUIDE** 

## **PRODUCT DATA**

Type : Tv	vo pack, self	cured	Chemical	Resistance :		
Composi	tion : Ethyl S	ilicate/Metallic Zinc	EXPOSURES	SPLASH	MILD FUMES /	
			0.01	& SPILLAGE	OUTDOOR RESISTANCE	
Mixing Ratio : Part A: Part B; 17.6 ltr: 2.4 ltr			Acids	Good	Good	
Pot Life : 6-8 hours			Alkalis	Good	Good	
Application : Conventional or Airless spray			Solvents	Excellent	Excellent	
Recommended DFT : 60-75 microns per coat			Salt	Excellent	Excellent	
Corresponding WFT : 100-125 microns per coat			Water	Excellent	Excellent	
Theoretic	al Spreading	g Rate : 8.0-10.0 Sq.Mtr/Ltr				
Drying Time :			Temperatu	Temperature Resistance :		
	TOUCH	: within 30 minutes		Continuous	: upto 4000 C	
	HANDLE	: 2-4 hours		Intermittent	: 4260C	
	HARD	: Overnight	Weatherab	<b>bility :</b> Excellent		
Curing Time : 6-7 days			Flexibility	Flexibility : Fair		
Overcoating Interval :			Abrasion I	Abrasion Resistance : Excellent - increases with age		
	MIN	: Overnight				
	MAX	: Indefinite				
Flash Po	int: Above 22	20C				
Colour :	Grey					
Finish : N	Лatt					
Packing:	Packing : 20 Ltrs (mixed paint)					
Thinner/Cleaner : Thinner 870			DATA SHE	ET No. : 16 <u>4 / r</u>	ev02	
Storage Life : Upto six months as long as the			Issue Date	: Mar 20	009	
sealed co	ntainers are k	kept under cover in a dry place				
under no	ormal temper	rature conditions.				

# BERGER # Protecton PROTECTIVE

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#### SURFACE PREPARATION

Remove grease, oil and other contaminants and blast clean to a minimumm of Sa 2.5 Swedish Standard SIS 05 5900 with a surface profile not exceeding 35-40 microns.

The surface should be clean and dry before application of Zinc Anode 304 MZS

#### **APPLICATION**

Stir Part A thoroughly to uniform consistency. Mix the components in the recommended proportion with constant stirring preferablywitha mechanicalstirrer. Continuestirringuntil thecomponentsare thoroughlymixed Strain themixturethrougha 80 mesh sieve. Allow the mixture to mature for 15-20 minutes before application. Stir again before use and continuously during application. Conventional Spray: Add upto 10% Thinner 870 depending on conditions. Use any standard pressure pot equipment at an atomising pressure of 3.5-4.4 kg/cm2 Airless Spray : Apply preferably without thinning. However, add upto 10% Thinner 870 depending on conditions. Use any

#### **TYPICAL PAINTING SPECIFICATIONS**

standard equipment having pump ratio 30 : 1. Tip size 0.38 – 0.48 mm. Tip pressure 110 –160 Kg/cm2.								
TYPICAL PAINT	ING SPECIFICATIONS		40	1				
Surface	1st Coat	2nd Coat	3rd Coat	4th Coat				
Steel	Zinc Anode 304 MZS	Epilux 4 HB MIO	Epilux 4 CR Enl or Epilux 155 HB or Epilux 89 HB	Epilux 4 CR Enl. or Epilux 155 HB or Epilux 89 HB				
Steel	Zinc Anode 304 MZS	Epilux 610 Primer	Epilux 5 CTE or Epilux 555 CTE HB	Epilux 5 CTE or Epilux 555 CTE HB				
Steel	Zinc Anode 304 MZS	Berger Epoxy PU HB or Bergerthane Enl	Berger Epoxy PU HB or Bergerthane Enl					
Steel	Zinc Anode 304 MZS	Lumeros HR/47 or Silicone Acrylic HR Ctg	Silicone Acrylic HB					

Overcoating of Zinc Anode 304 MZS: The surface must be fully cured and free from residual solvent prior to overcoating. This normally takes 10-12 hours but under conditions here humidity is below 80%, the time taken may be longer. While overcoating a mist coat should first be applied to avoid bubbling due to air entrapment.

## Notes :

- 1. Use off the mixed paint within the stipulated pot life period.
- 2. Both components are also available in liquid form for ease of application.
- 3. The product cures by reaction with moisture and may be applied at high humidity levels provided the blasted
- surface is free from condensation and meets the requirement of Sa 2.5 Swedish Standard
- 4. Brush and spray equipment should be cleaned with Thinner 870 otherwise equipment is liable to be damaged
- 5. At lower relative humidity, drying and curing are likely to be extended.
- 6. Damaged areas can be touched up with Epilux 4 Zinc Rich Primer

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

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