

## Product Data / Application Instructions

### SeaLife MZP

#### Product Description

- \***Marine & Industrial Zinc Primer**
- \***Weld thru Preconstruction Primer**
- \***Surface Tolerant Galvanic Protection**
- \***VOC Exempt, High Solids, Anti-Corrosive**
- \***Inorganic & Organic Adhesion Coupling**
- \***Reinforced Inorganic Zinc Coating**

#### Product Uses

- \*Galvanic Protection of Aluminum & Steel
- \*Weld Thru Primer minimizing burn-back
- \*Weather Resistant re-coat able base coat
- \***Marine;** Ships/Barges/Decks/Platforms/Boot top
- \***Structural Steel;** Bridges/Piping/Architectural
- \***Industrial Plants;** Power/Chemical/ Refining
- \***Municipal Services;** Water/Fuels/Lighting/ Etc.

#### Physical Data

Finish	Flat
Colors	Green
Components	2
Curing Mech.	Chemical Reaction & any Added Solvent Release
Volume Solids	83.64% ± 3%
DFT (coat)	1 to 3 mils
Recommended	1 or (recoat able)
Theoretical Coverage's:	
1 mil	1341.58 sq. ft.
3 mils	447.19 sq. ft.
VOC	0 - lb/gal 0 - g/L
Temperature Resistance	350F Degrees
Flash point	147F + or greater
CWS	147 F
HWS	210F

#### Shipping

Base = (Resin) 80% @ 22.83 lb/gal  
(1gal kit) @ 18.26 lb/gal or (5 gl Kit) @ 91.32 lb/gal  
Cure= (Catalyst) 20% @ 8.20 lb/gal  
(1gal kit) QT. @ 2.05 lb/gal or 5 GL Kit (1gal) @ 8.20 lb/gal

#### Surface Preparation

**Steel** All direct to metal coatings provide the maximum performance over white metal blasted surfaces. There are however, situations and cost limitations, where grit blasting to near white metal is not possible, commercial blasted surfaces are an option. SeaLife coatings were designed to provide excellent protection over less than ideal surface preparation. Such as hand tooling and other methods; coating performance is directly proportional to the surface preparation. Use SeaLife MZP for best results over properly prepared surfaces. SSPC-SP12 WJ-1 is also acceptable over a previous blasted surface. The maximum soluble salt content for saltwater immersion should be 2ug/cm2. For freshwater immersion, the limit is 2ug/cm2. For atmospheric exposure, it can be as high as 10ug/cm2.

**Aluminum** Remove oil, grease or soap film with SeaLife CWS and roughen surface. Abrasive blasting may distort the substrate, garnet blast when needed and or establish a 1.5 mil anchor profile. Coat areas exposed to ocean water or submergible surfaces with SeaLife MZP. Aged oxidized aluminum for above or below water line areas should be abrasive basted before coating with MZP when needed.

**Galvanizing** Remove oil, grease or soap film with SeaLife CWS and roughen surface, abrasive blast when ever possible or establish a 1.5 mil anchor profile, coat damaged galvanized surfaces with SeaLife MZP to preserve galvanic protection prior to bearer coating.

**Concrete** Rebar and structural reinforcement should be abrasive blasted prior to coating with MZP. Galvanic protection of steel reinforcement requires direct contact with clean metal without interruption by scale or surface contaminates. This may be accomplished by grinding or other method that leaves a profile of 1.5 mils and allows the coating direct contact with the substrate. Clean surface free of all oily residues or any other contaminates then prepare surface s to be coated properly.

**General-Surfaces** to be coated should be clean, dry and free of contaminates. Porous Surfaces should be coated with a thin mist coat /full coat technique. Questionable surfaces consult a SeaLife Representative.

#### Application Data

Method	Airless/conventional spray, Brush or roller
Mixing Ratio (By volume)	4 parts resin to 1 part cure
Thinner/ Cleaner	SeaLife Solvents CWS,HWS,MWS,NFS
Pot Life (77°F)	4-8 Hours
Re-coat @ 77F	8-12 Hours