

Rezinc EPD 597 ESP uses specially selected raw materials, showing high resistance to abrasion and solvents, providing cathodic protection to the system. This product is curable with moisture in the air and withstands to temperatures up to 600°C.

## TECHNICAL CHARACTERISTICS

### TYPE

Ethyl silicate primer, pigmented with pre-dispersed zinc powder, two pack system.

### USAGE

Recommended for metal structures in corrosive industrial environments and marine areas. Also for Interior of tanks for refined oil, gasoline, alcohol, ketone and aromatic solvents.

## TECHNICAL INFORMATIONS

<b>COLOR</b>	Gray		
<b>FINISH</b>	Matt		
<b>VOLUME SOLIDS</b>	60% ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,160 ± 0,05 g/ml	According to ASTM D 1475	
<b>FLASH POINT</b>	32°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	1,5
	<b>Comp. B</b>	21,0	1,0
<b>POT LIFE (25°C)</b>	5 h		
<b>INDUCTION TIME</b>	15 to 30 min		
<b>THEORETICAL SPREADING RATE</b>	8,0 m <sup>2</sup> /l - 75 µm		
<b>WET THICKNESS</b>	125 µm		
<b>DRY THICKNESS</b>	75 µm		
<b>DRYING TIME, for 75 µm</b>	25°C		
		Minimum	Maximum
	<b>Touch</b>		10 min
	<b>Hard</b>		1 h
	<b>Recoat</b>	16 h	72 h
<b>ENVIROMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 0 to 40°C	
	<b>Relative Humidity</b>	Between 30 to 85%	
	<b>Dew Point</b>	Surface temperature is at least 3°C above dew point	
	<b>Thinner</b>	494.0000	
<b>APPLICATION</b>	<b>Conventional Spray Gun</b>	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 FX 67 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm <sup>2</sup> (35 to 43 psi). Tank pressure between 0,5 to 1,5 kgf/cm <sup>2</sup> (7 to 21 psi). Use pressure tank with stirrer.	
	<b>AirLess Spray Gun</b>	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 23 to 29 and pump pressure between 140 to 175 kgf/cm <sup>2</sup> (2000 to 2500 psi).	



---

The surface must be dry , free from salt, oil, grease, dust and other contaminants and coated with a suitable primer. Wash it off with fresh water, detergents and solvents. Recommended treatment standards ISO 8501-1, blast cleaning Sa 2 ½ minimum or apply on surfaces treated with water jetting (Hydroblasting), being tolerant residual moisture in the substrate.

**SURFACE PREPARATION**

**Carbon steel**

---

<b>Recommended Primers</b>	Not applicable
<b>Recommended TopCoat</b>	Not applicable

---

**SHELF LIFE** 6 months

**UN NUMBER** 1263

**HAZARD NUMBER** 33

---

**IMPORTANT RECOMMENDATIONS**

---

1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.
  2. The weight/l, viscosity and drying values were obtained in laboratory at a temperature of 25°C. At an altered temperature, the results might be different from the specified ones.
  3. The pot life decreases with increasing temperature.
  4. Retouch: use epoxy primer rich in zinc only in case of operating temperatures of up to 120°C.
  5. The maximum relative humidity shall be of 95%, without water condensation on the surface, to maintain the spray quality. If applied over hot surfaces with relative humidity lower than 60%, the product cure will be delayed. Its hardening may be sped up by spraying clean water over the surface 2 hours after application.
  6. Volume solids is a estimated value. It is not possible to determine the exact value employing traditional methods.
  7. Zinc is abrasive. If the user wants to have a long-lasting spray gun and a better final application, it is recommendable to use a DeVilbiss JGA 5023 EE 67 spray gun (tungsten carbide) or similar.
  8. Our Consultants shall be contacted for applications on surfaces with temperature above 40°C.
  9. Thinner 870.1477, which presents the same performance and quality of 494.000, shall also be used.
-



---

## SAFETY PRECAUTIONS

---

1. Improper use and handling of this product can be hazardous to health and cause fire or explosion. Do not use it without first taking all appropriate measures to prevent property damage and injuries.
2. Storage: keep the product in sheltered, well-ventilated areas. Maximum temperature: 40°C. Must not be directly exposed to the sun.
3. Flammable: flammable product, which must be kept distant from ignition sources, and do not smoke nearby.
4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.
5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or drink nor allow children and animals to be near the application area.

---

## HEALTH HAZARDS

---

1. Skin contact: wash affected area thoroughly with neutral soap.
2. Clothing contact: remove clothing and wash it.
3. Leakage: Isolate the area, and do not smoke nearby. If large quantity leaked in confined area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust or soil, and transfer liquid and solid to separated recipients for disposal.
4. Fire: protect non-affected recipients with water spray. Extinguish fire using carbon dioxide, foam or dry chemical.
5. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes, and get medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).

---