



Rezinc WTR 522 uses specially selected raw materials, showing easy application in tank pressure. Drastically reduces the preparation time compared with any zinc-based paint. Its corrosion protection mechanisms are based on the action by cathodic protection and barrier protection. Its fast drying effect allows stripe coat with intermediate coating after a few minutes of application. Its greenish hue facilitates the display between the ink applied and the substrate. You can apply any intermediate or topcoat (epoxy), since these products are applied with pressure tank, eliminating the use of mist coat or tie coat over zinc (if the intermediate or finish is applied to roll, should be applied a tie coat over the primer). It is a product surface tolerant.

**TECHNICAL CHARACTERISTICS**

**TYPE**

Epoxy primer, pigmented with zinc powder and aluminum, two pack system.

**USAGE**

Recommended for industrial areas, salt industries and equipment submitted to marine environments or severe weathering. Suitable for surfaces coated with coaltar epoxy that will be immersed in salt water or fresh water.

**TECHNICAL INFORMATIONS**

<b>COLOR</b>	Greeny Grey		
<b>FINISH</b>	Matt		
<b>VOLUME SOLIDS</b>	65 % ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	2,00 ± 0,05 g/ml	According to ASTM D 1475	
<b>FLASH POINT</b>	30 °C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	7,6
	<b>Comp. B</b>	5,6	1,0
<b>POT LIFE (25°C)</b>	5 h		
<b>INDUCTION TIME</b>	15 to 30 min		
<b>THEORETICAL SPREADING RATE</b>	13,0 m <sup>2</sup> /l - 50 µm		
	5,40 m <sup>2</sup> /l - 120 µm		
<b>WET THICKNESS</b>	77 µm to 184 µm (3 to 7 mils – undiluted)		
<b>DRY THICKNESS</b>	50 µm to 120 µm		
<b>DRYING TIME, for 50 µm</b>	25°C		
		Minimum	Maximum
	<b>Touch</b>		5 min
	<b>Handle</b>		20 min
	<b>Recoat for epoxy systems</b>	4 h	72 h
<b>ENVIROMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 0 to 40°C. At temperatures below 10°C, add 0.7 % by volume of the curing agent 870.0576.	
	<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>	420.0000	



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<b>APPLICATION</b>	<b>Brush</b>	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.
	<b>Roller</b>	This method must be used only for retouch and backing of welding cords and corners. Dilute up to 5% (vol.) with recommended thinner. Must be used solvent resistant roller (sheep wool). The wool must be cutted (small size) to avoid blistering during the application.
	<b>Conventional Spray Gun</b>	Dilute up to 5% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2,5 to 3,5 kgf/cm <sup>2</sup> (35 to 50 psi). Tank pressure between 0,5 to 1,5 kgf/cm <sup>2</sup> (7 to 21 psi). Pressure tank with or without agitator.

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<b>SURFACE PREPARATION</b>	<b>AirLess Spray Gun</b>	Dilute up to 5% (vol.) with recommended thinner. Use nozzles between 21 to 29 and pump pressure between 175 to 210 kgf/cm <sup>2</sup> (2500 to 3000 psi).
	<b>Direct over carbon steel</b>	Blast cleaning ISO 8501-1 Sa 2 ½ recommended. The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	<b>Recommended Primers</b>	Not applicable
	<b>Recommended TopCoat</b>	Not applicable

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<b>SHELF LIFE</b>	6 months
<b>UN NUMBER</b>	1263
<b>HAZARD NUMBER</b>	33

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- 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. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
  4. Low temperatures increase the curing time. At temperatures below 10°C, please contact our technical department.
  5. Important: Add the curing agent in component B and mix. After that, mixing the components A and B in a mechanical shaker for 5 minutes. Products for immersion is NOT recommended additives. The pot life is reduced with additives.
  6. If the intermediate or topcoat is applied to roll, should be applied a a tie coat over the primer.
  7. Zinc is an abrasive material. If you want a larger conservation pistol and final quality of the application, use DeVilbiss JGA 5023 EE 67 (tungsten carbide) or similar.
  8. Allows application to initial oxidation as degree M of Standard SSPC- VIA 4 / NACE VIS 7.
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## SAFETY PRECAUTIONS

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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.

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## HEALTH HAZARDS

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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).
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