

TDS 1207

REVIEW: 03/2016

Standards: PETROBRÁS N-1661 H

Rezinc EPV 597

Component A: 597.0799

Component B: 890.1436



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

TECHNICAL CHARACTERISTICS**TYPE**

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

USAGE

Recommended for metal structures in aggressive industrial atmospheres and sea areas . Suitable for painting internal tanks to refined oils, gasoline, alcohol, ketones, aromatic solvents and even to areas requiring color differentiation of the treated substrate.

TECHNICAL INFORMATION

COLOR	Greyish Green		
FINISH	Matt		
VOLUME SOLIDS	60% ± 2	According to ISO 3233	
WEIGHT PER LITER	2,300 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	32°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,5
	Comp. B	21,0	1,0
POT LIFE (25°C)	5 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	8,0 m ² /l - 75 µm		
WET THICKNESS	125 µm		
DRY THICKNESS	75 µm		
DRYING TIME, for 75 µm	25°C		
		Minimum	Maximum
	Touch		10 min
	Handle		1 h
	Recoat	16 h	72 h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 5 to 52°C	
	Relative Humidity	Between 60 to 85%	
	Dew Point	Surface temperature is at least 3°C above dew point	
	Thinner	494.0000	
APPLICATION	Conventional Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm ² (35 to 43 psi). Tank pressure between 0,5 to 1,5 kgf/cm ² (7 to 21 psi). Use pressure tank with stirrer.	
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 23 to 29 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).	
SURFACE PREPARATION	Direct over carbon steel	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.	
	Recommended Primers	Not applicable	
	Recommended TopCoat	Not applicable	

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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. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
4. Retouching: use epoxy primer rich in zinc powder only for cases operating temperatures up to 120°C.
5. 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.
6. When applied with relative humidity below 60% in hot surfaces, the product will have a delayed curing and hardening can be accelerated by water spraying.
7. You can use the thinner 870.1477 , maintaining the same conditions of performance and quality that the solvent 494.0000 . Differentiated product only in logistics function.

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).
