TDS 1273
REVIEW: 04/2016

Rezinc SSD 594

Component A: 594.0937 (Grey), 594.0799 (Greyish Green) and 594.0499 (Greyish Red)
Component B: 894.1456

Rezinc SSD 594 uses specially selected raw materials, showing excellent resistance to weathering, combustion and abrasion. Also, the product has no interference in welding and cutting operation. It may be recoated with organic and inorganic products. Compatible with cathodic protection, this coating withstands temperatures of up to 670°C without losing its chemical, mechanical and anticorrosive characteristics. IMO/PSPC – DNV certified product. Adhesion superior to 12 MPa (as part of an appropriate coating system).

TECHNICAL CHARACTERISTICS

TYPE
Modified-inorganic silicate shop primer, pigmented with zinc powder and titanium, two pack system.

USAGE
Recommended for temporary protection of abrasive blasted panels, ship blocks section, and industrial structures after being submitted to abrasive blasting. Indicated for blast cleaning automatic machines, and shot blast painting. Apllication in combustible storage tanks and spheres.

TECHNICAL INFORMATIONS		
COLOR	Grey, Greyish Green and Greyish Red	
FINISH	Matt	
WEIGHT SOLIDS	75% ± 2	According to ASTM D 2697
VOLUME SOLIDS	30% ± 2	According to ISO 3233
WEIGHT PER LITER	1,480 ± 0,05 g/ml	According to ASTM D 1475
FLASH POINT	15°C	
MIXING RATIO		Weight / Volume
	Comp. A	100,0 / 1,0
	Comp. B	67,0 / 2,15
POT LIFE (25°C)	24 h	
INDUCTION TIME	15 to 30 min	
THEORETICAL SPREADING RATE	20,0 m²/l - 15 µm	
WET THICKNESS	50 µm to 83 µm	
DRY THICKNESS	15 µm to 25 µm	
DRYING TIME, for 15 µm		25°C
		Minimum / Maximum
	Touch	2 min
	Handle	8 min
	Recoat	24 h
ENVIROMENTAL CONDITIONS	**Temperature**	Should be between 0 to 40°C
	Relative Humidity	Between 60 to 85%
	Dew Point	Surface temperature is at least 3°C above dew point
	Thinner	494.9005
APPLICATION	**Brush**	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.
	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 13, 15, 17, 19, 21, 23 to 29 and pump pressure between 140 to 175 kgf/cm^2 (2000 to 2500 psi).

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SURFACE PREPARATION	**Direct over carbon steel**	Blast cleaning ISO 8501-1 Sa 2 ½ (minimun) 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
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.

4. 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.

5.The solids volume value is estimated. It is not possible to determine the exact value employing traditional methods.

6. The adhesion higher than 12 MPa is reached as part of an appropriate coating system.

7. The maximum relative humidity shall be of 95% (maximum), 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 sped up by spraying clean water over the surface 2 hours after application.

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).