

TDS 1269

REVIEW: 01/2015

Standards: USIMINAS NCU-0135,
ALUMAR ET-03 and EG-M-402 F06**Rezinc ATZ 596**Component A: 596.0937 (Binder)
Component B: 890.1000 (Zinc Powder)

Rezinc ATZ 596 uses specially selected raw materials, showing high resistance to abrasion and solvents, providing cathodic protection to the system. It is curable with moisture in the air and withstands temperatures of up to 600°C. The rate of metal zinc in the dry film is of approximately 88%.

TECHNICAL CHARACTERISTICS**TYPE**

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

USAGE

Recommended metal structures in aggressive industrial environments and marine areas. Suitable for interior of tanks for refined oil, gasoline, alcohol, ketones and aromatic solvents.

TECHNICAL INFORMATION

| | | | |
|-----------------------------------|-------------------------------|--|---------|
| COLOR | Grey | | |
| FINISH | Matt | | |
| VOLUME SOLIDS | 65 % ± 2 | According to ISO 3233 | |
| WEIGHT PER LITER | 2,600 ± 0,05 g/ml | According to ASTM D 1475 | |
| FLASH POINT | 32°C | | |
| MIXING RATIO | | Weight | Volume |
| | Comp. A | 100,0 | 2,6 |
| | Comp. B | 294,0 | 1,0 |
| POT LIFE (25°C) | 6 h | | |
| INDUCTION TIME | 15 to 30 min | | |
| THEORETICAL SPREADING RATE | 8,7 m ² /l - 75 µm | | |
| WET THICKNESS | 115 µm | | |
| DRY THICKNESS | 75 µm | | |
| DRYING TIME, for 75 µm | | 25°C | |
| | | Minimum | Maximum |
| | Touch | | 10 min |
| | Handle | | 2 h |
| | Recoat | 16 h | 48 h |
| ENVIRONMENTAL CONDITIONS | Temperature | Should be between 0 to 40°C | |
| | Relative Humidity | Between 30 to 85% | |
| | Dew Point | Surface temperature is at least 3°C above dew point | |
| | Thinner | 494.0000 | |
| 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 2,8 to 3,5 kgf/cm ² (40 to 50 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). | |

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| 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. |
| | Coated Surfaces | The surface must be clean and free of contaminants as oils, fat, grease and dust. Must not present peeling's areas. Proceed light sanding (220) to break the gloss. |
| | 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 and by the increase of catalyzed volume.
4. If applied on hot surfaces when air humidity is lower than 60%, the product will take longer to cure, but its hardening can be accelerated by spraying water over the surface.
5. The solids volume value is estimated. It is not possible to determine the exact value employing traditional methods.
6. 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.
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.

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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).
