

**TDS 2100**

REVIEW: 02/2015

Standards: PETROBRÁS N-2629 A  
USIMINAS NCU-0249**Revran ECO ARQ 998**Component A: 998.0149 (White) and  
998.9700 (Green)

Component B: 898.0900



Revran ECO ARQ 998 uses specially selected raw materials, showing an ecological product, high solids, no VOC and high flash point for immersed areas. This product reduces considerably the odor in areas that are not well ventilated.

**TECHNICAL CHARACTERISTICS****TYPE**

Epoxy primer/topcoat, two pack system.

**USAGE**

Recommended substrate carbon steel, interior painting of petroleum derivatives (light or dark) storage tanks (contact our Consultants) and as a substitute for coal tar systems for wastewater treatment tanks and water ballast tanks.

**TECHNICAL INFORMATIONS**

<b>COLOR</b>	White and Green		
<b>FINISH</b>	Semiglossy		
<b>VOLUME SOLIDS</b>	100% ± 2	(see recommendation 11)	
<b>WEIGHT PER LITER</b>	1,450 ± 0,05 g/ml	According to ASTM D 1475	
<b>VOC</b>	No VOC		
<b>FLASH POINT</b>	>100°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	3,0
	<b>Comp. B</b>	23,0	1,0
<b>POT LIFE (25°C)</b>	90 min		
<b>INDUCTION TIME</b>	Not applicable		
<b>THEORETICAL SPREADING RATE</b>	6,7 m <sup>2</sup> /l - 150 µm 5,0 m <sup>2</sup> /l - 200 µm		
<b>THICKNESS</b>	150 µm to 200 µm		
<b>DRYING TIME, for 150 µm</b>		25°C	
		Minimum	Maximum
	<b>Handle</b>		16h
	<b>Recoat</b>	12h	24h
<b>ENVIROMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 5 to 52°C.	
	<b>Relative Humidity</b>	Between 30 to 90%	
	<b>Dew Point</b>	Surface temperature is at least 3°C above dew point	
	<b>Cleaning Solvent</b>	420.0000, 440.0000, 441.0000, 441,0001, 441.0010	
	<b>Brush</b>	This method must be used only for retouch and backing of welding cords and corners.	
<b>APPLICATION</b>	<b>Roller</b>	More coats are necessary for the required thickness. Must be used solvent resistant roller (sheep wool). The wool must be cutted (small size) to avoid blistering during the application. For an extended pot life, pour the product on a flat tray.	
	<b>AirLess Spray Gun</b>	Use nozzles between 21 to 27 and pump pressure between 175 to 210 kgf/cm <sup>2</sup> (2500 to 3000 psi). Pump 45:1.	

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**Direct over carbon steel**

The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants. Recommended surface preparation: SIS Sa 2½ minimum, with a minimum rugosity profile of 70 µm. St 3 preparation acceptable for small areas, retouch and backing of welding cords. Applicable over wet blasted surfaces, provided they are dry and without residual humidity, stains or water puddles. Application over flash rusting also acceptable if not in excess or easily removable.

**Recommended Primers** Not applicable.

**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 TopCoat** Only ARQ over ARQ. For other products, please contact our Consultants.

**SHELF LIFE** 12 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. The size of the recipient for mixing and homogenizing the product is also important. Cool the recipient externally for a longer pot life, if room temperature is above 25°C.
4. Low temperatures increase curing time. For temperatures below 10°C, contact our Consultants.
5. Due to its high chemical resistance, the film may darken after being applied.
6. If the overcoating interval is exceeded, sanding and washing the surface with any of the solvents for cleaning equipment before recoating.
7. The film color will change when immersed without modifying its chemical resistance.
8. Do not let the paint recipient exposed to the sun or to ignition sources, because the product pot life will be drastically reduced. No paint shall be left in the equipment if working breaks last longer than 20 minutes.
9. Drying will change if building, temperature and relative humidity are different from those mentioned in the first page. Total hardness for immersion is: 7 days at 25 °C, 10 days at 20 °C and 15 days at 15 °C.
10. Due to errors inherent in any kind of test, is normal to have a variation up to 2% by solids volume.
11. According to Petrobras N-1367 (notes 1 and 2 – chart 1 – Standard N-2629).

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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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