

Revran TF PNA NVC 870 presents great resistance to abrasion, moisture and sea water, excellent adhesion to steel and high mechanical resistance. Eco-friendly product, high solids, NO VOC and low odor. Free from coal tar. Used for contact with potable water (check Recommendation 11), has potable water approval report.

TECHNICAL CHARACTERISTICS

TYPE

Primer/ Topcoat epoxy resin system cured with polyamine. Two pack system.

USAGE

Recommended for floors, sewage treatment plant, water mains, submerged and buried structures, concrete flooring, piers piles, off-shore structures, etc. Can also be used for internal and external coating of industrial water tanks and seawater.

TECHNICAL INFORMATIONS

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|-----------------------------------|--|---|---------|
| COLOR | White | | |
| FINISH | Matte | | |
| VOLUME SOLIDS | 98% ± 2 | According to ISO 3233 | |
| WEIGHT PER LITER | 1,630 ± 0,05 g/ml | According to ASTM D 1475 | |
| FLASH POINT | >60°C | | |
| MIXING RATIO | | Weight | Volume |
| | Comp. A | 100,0 | 1,0 |
| | Comp. B | 111,0 | 1,0 |
| POT LIFE (25°C) | 2 h | | |
| INDUCTION TIME | 15 min | | |
| THEORETICAL SPREADING RATE | 4,9 m ² /l for 200 µm 2,4 m ² /l for 410 µm | | |
| WET THICKNESS | 204 - 418 µm | | |
| DRY THICKNESS | 200 - 410 µm | | |
| DRYING TIME, for 200 µm | | 25°C | |
| | | Minimum | Maximum |
| | Touch | | 2 h |
| | Handle | | 6 h |
| | Recoat | 8 h | 72 h |
| ENVIROMENTAL CONDITIONS | Temperature | Should be between 10 to 40°C. | |
| | Relative Humidity | Between 30 to 80% | |
| | Dew Point | Surface temperature is at least 3°C above dew point | |
| | Thinner | 420.0000 | |
| APPLICATION | Brush | It is not necessary to dilute. This method must be used only for retouch and backing of welding cords and corners. | |
| | Roller | 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. | |
| | AirLess Spray Gun | Recommended minimum pump 45:1. Use nozzles between 19 to 27 and pump pressure between 175 to 210 kgf/cm ² (2500 to 3000 psi). | |



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| SURFACE PREPARATION | 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. Wash it off with fresh water, detergents and solvents. Standard treatment recommended: Sa 2 ½ and St 3 to minor repairs, according to ISO 8501-1. IMPORTANT: For applications in drinking water reservoir observe Recommendation 11. |
| | Recommended Primers | Not Applicable |
| | Coated Surfaces | Not Applicable |
| | Recommended TopCoat | Consult our Technical Department. |

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| 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 and viscosity 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. The pot life decreases with increasing temperature and catalyzed volume.
 4. The adhesion system is corresponding to the painted surface treatment was submitted.
 5. Low temperatures increase the curing time.
 6. The application with roller needs larger number of coats to achieve the thickness desired and uniform coverage.
 7. Can be change of color and/or staining in the film when exposed to UV radiation, immersion and/or contact with water. These characteristics do not change their anti-corrosive performance.
 8. To access the Potable Water Approval Report, please contact our Technical Department.
 9. If the recoating interval is exceeded, proceed light sanding. For above the established temperatures, repainting interval is reduced.
 10. Coatings based on epoxy resin has its own characteristics. The film is subject to changes in color, gloss, calcination and /or staining when exposed to weathering. These inherent characteristics of epoxy coatings will be potentiated when such products are exterior exposed subject to condensation, high humidity and UV radiation prior to the specified curing time. It is important to emphasize that these changes are only aesthetic, not compromising the performance of the coatings.
 11. **ATTENTION:** The painting in tanks (internal) or Drinking Water Reservoirs (New Construction or Maintenance) is imperative to follow the guidelines outlined in Procedure Renner Internal painting tanks - available on our website (www.rennercoatings.com), or consult our Technical Department. We recommend prior contact with our Technical Department before starting the painting services.
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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).
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