

Revchem NVP 870 uses specially selected raw materials, showing high anti-corrosion performance, excellent chemical and high temperature resistance without the need thermal curing for optimize performance. Provides the release operation of the tank within 48 hours, with 70 - 80 hardness Shore D. Resists continuous immersion in water at a temperature up to 70°C, continuous immersion in mineral oil at a temperature up to 140°C and can be used at temperatures up to 220 ° C for cases of no immersion. Used for contact with food, has a technical report (see recommendation 8).

TECHNICAL CHARACTERISTICS

TYPE

Dual function coating, epoxy Novolac. Two pack system.

USAGE

Recommended as inner lining of tanks and naval pipelines, rail, road, storage tanks in chemical and petrochemical industries. Suitable for storage and internal ethanol and methanol pipes. Protects steel exposed to aggressive chemicals.

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.	
FINISH	Semi glossy		
VOLUME SOLIDS	77% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,480 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	> 35°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	5,0
	Comp. B	14,0	1,0
POT LIFE (25°C)	2 h		
INDUCTION TIME	10 min (see recommendation 7)		
THEORETICAL SPREADING RATE	7,54 m ² /l - 102 µm 2,50 m ² /l - 308 µm		
WET THICKNESS	133 µm - 400 µm		
DRY THICKNESS	102 µm - 308 µm		
DRYING TIME, for 102 µm		25°C	
		Minimum	Maximum
	Touch		2 h
	Handle		10 h
	Recoat		48 h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 5 to 52°C.	
	Relative Humidity	Between 30 to 85%	
	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.	
	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 1,5 to 2,5 kgf/cm ² (35 to 43 psi).	
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 19 to 27 and pump pressure between 140 to 210 kgf/cm ² (2500 to 3000 psi).	



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. Standard treatment recommended : Sa 2 ½ (minimum), according to ISO 8501-1 roughness profile 50-100 µm. Applicable on surfaces treated with water jetting (Hydroblasting) being tolerant to oxidation and the residual moisture in the substrate, preventing applications on pools of areas.
	Recommended Primers	Not Applicable
	Recommended TopCoat	Not Applicable

SHELF LIFE	12 months
UN NUMBER	1263
HAZARD NUMBER	30

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. If the recoating interval is exceeded, proceed light sanding. For temperatures above the established recoating will be reduced.
 5. The adherence system is corresponding to the painted surface treatment that has been subjected.
 6. This product line allows application on initial oxidation as Grade M Standard SSPC-VIS4 / NACE VIS 7.
 7. Does not apply to equipment with mixing in the nozzle.
 8. Product meets the requirements of resolution n° 105, partially repealed by ANVISA resolutions 51 and 52.
 9. 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.
-

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).
