

TDS E-296

REVIEW: 01/2015

Standard: N-2912 – Type II

Revchem NVC 870

Component A: 870.2153

Component B: 870.2154



Revchem NVC 870 uses specially selected raw materials, showing high anti-corrosion performance, excellent chemical and high temperature resistance. 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. It can be applied on surfaces treated with water jetting. To shorten the process can be applied wet-on-wet technique, with time between coats after drying to the touch (approximately 3 hours at 25 ° C). Tank release for operation up to 48 hours (consult our technical department).

TECHNICAL CHARACTERISTICS**TYPE**

Epoxy Novolac coating, high performance. Two pack system.

USAGE

Recommended as inner lining of tanks and naval pipelines, rail, road, storage tanks in chemical and petrochemical industries. Protects steel and concrete exposed to aggressive chemicals. Can be cleaned hot, at temperatures up to 80°C.

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.	
FINISH	Glossy		
VOLUME SOLIDS	100%	According to ISO 3233	
WEIGHT PER LITER	1,360 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	> 100°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	3,5
	Comp. B	18,0	1,0
POT LIFE (25°C)	45 min		
INDUCTION TIME	3 min		
THEORETICAL SPREADING RATE	4,00 m ² /l - 250 µm		
	1,66 m ² /l - 600 µm		
WET THICKNESS	250 µm - 600 µm		
DRY THICKNESS	250 µm - 600 µm		
DRYING TIME, for 250 µm		25°C	
		Minimum	Maximum
	Touch		3 h
	Handle		24 h
	Recoat		24 h (See recommendations 6 and 8)
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	Consult our Technical Department	
APPLICATION	Brush	It is not necessary to dilute. This method must be used only for retouch and backing of welding cords and corners.	
	Roller	Must be used solvent resistant roller (sheep wool). The wool must be cutted (small size) to avoid blistering during the application.	
	AirLess Spray Gun	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 (see recommendation 7) and the residual moisture in the substrate, preventing applications on pools of areas.
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Recommended Primers	Not Applicable
Recommended TopCoat	Not Applicable

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 that has been subjected.
 5. Due to the presence of chemicals of low molecular weight in the formulation, may be registered some volatile organic products when tested in procedures at high temperatures.
 6. If the overcoating interval is exceeded, proceed sanding or brush off. For above the established temperatures, repainting interval is reduced.
 7. Allows application to initial oxidation as Grade M Standard SSPC-VIS 4/NACE VIS 7.
 8. Due to environmental conditions and methods of application we recommend that the product is applied with the wet on wet technique.

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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.
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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).
