

**TDS E-287**

REVIEW: 02/2016

STANDARD: N-2912 –Type III

**Revchem NVC DHR 870 GF**

Component A: 870.2017

Component B: 870.2018



Revchem NVC DHR 870 GF uses specially selected raw materials, showing high anti-corrosion performance, excellent chemical and high temperature resistance, it is not necessary thermal cure to optimize its performance. The product resists continuous immersion in water at a temperature up to 90°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. Has excellent resistance to sulfuric acid 98%. It can be applied on surfaces treated with water jetting. To shorten the process, can be applied to the wet on wet technique interval between coats after drying to the touch (approximately 3 h at 25 ° C). It is suitable for oil storage, with forming water, releasing tank for operation within 48 hours.

**TECHNICAL CHARACTERISTICS****TYPE**

Primer / topcoating, epoxy Novolac. Two pack system.

**USAGE**

Recommended for internal coating of tanks and naval pipelines, rail, road and storage in chemical and petrochemical industries. Protecting steel and concrete exposed to aggressive chemicals and can be cleaned with hot, at temperatures up to 80°C.

**TECHNICAL INFORMATION**

<b>COLOR</b>	White	Other colors, please consult.	
<b>FINISH</b>	Satin		
<b>VOLUME SOLIDS</b>	100%	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,350 ± 0,05 g/ml	According to ASTM D 1475	
<b>FLASH POINT</b>	> 100°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	5,0
	<b>Comp. B</b>	15,0	1,0
<b>POT LIFE (25°C)</b>	45 min.		
<b>INDUCTION TIME</b>	Not Applicable		
<b>THEORETICAL SPREADING RATE</b>	1,25 m <sup>2</sup> /l - 800 µm		
<b>WET THICKNESS</b>	800 µm		
<b>DRY THICKNESS</b>	800 µm		
<b>DRYING TIME, for 800 µm</b>		25°C	
		Minimum	Maximum
	<b>Touch</b>		3 h
	<b>Handle</b>		10 h
	<b>Recoat</b>		24 h
<b>ENVIRONMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 5 to 52°C.	
	<b>Relative Humidity</b>	Between 30 to 85%	
	<b>Dew Point</b>	Surface temperature is at least 3°C above dew point	
	<b>Thinner</b>	Not Applicable	
<b>APPLICATION</b>	<b>Brush</b>	This method must be used only for retouch and backing of welding cords and corners.	
	<b>Spatula</b>	Beware the homogeneity of the film.	
	<b>AirLess Spray Gun</b>	Use nozzles between 27 to 31 and pump pressure between 140 to 210 kgf/cm <sup>2</sup> (2500 to 3000 psi). Remove the internal filter of the airless pump.	



<b>SURFACE PREPARATION</b>	<b>Direct over carbon steel</b>	The surface must be dry, free from salt, oil, grease, fat, dust and other contaminants. Recommended ISO 8501-1 Sa 2½ minimum, hydrojetting WJ-1 as SSPC VIS 4 / NACE VIS 7, surface profile 50-100 microns. Applicable on surfaces treated with hydroblasting being tolerant to oxidation and the residual moisture in the substrate, preventing applications on pools of areas.
	<b>Recommended Primer</b>	Not Applicable
	<b>Recommended TopCoat</b>	Not Applicable

<b>SHELF LIFE</b>	12 months
<b>UN NUMBER</b>	<b>1263</b>
<b>HAZARD NUMBER</b>	<b>33</b>

- 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 system adhesion corresponds to the surface treatment.
  5. If the overcoating interval is exceeded, proceed sanding or brush off. For above the established temperatures, repainting interval is reduced.
  6. This product line allows application on initial oxidation as Grade M Standard SSPC-VIS 4 /NACE VIS 7.
  7. Because of environmental conditions and methods of application, it is recommended that the product is applied with wet on wet technique.

- 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**

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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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