

Revchem HRC 870 uses specially selected raw materials, showing excellent chemical resistance. Pigmented product with anti-corrosion compounds. Revchem HRC 870 is surface tolerant, applicable after rinsing the substrate with fresh water, reducing contamination of soluble salts on the application accepting initial oxidation as the degree M Standard SSPC-VIS 4 / NACE VIS 7. The product can be applied without URA restrictions or dew point. Reacts with water and oxides of the substrate, providing excellent adhesion and corrosion protection. Revchem HRC 870 is edge retentive (high retention at the edges).

TECHNICAL CHARACTERISTICS

TYPE

Dual function coating, epoxy Novolac. Two pack system.

USAGE

Recommended for carbon steel and suitable for offshore, petroleum and marine industries, structures subject to Splash Zone, side, deck holds, hatchway lids, coamings and bulwark. Also suitable for steel structures, equipment, bridges, pipes, internal ballast tanks, fresh water and crude oil tanks.

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.	
FINISH	Matt	The product may vary from matt to glossy depending on the application site conditions.	
VOLUME SOLIDS	100%	According to ISO 3233	
WEIGHT PER LITER	1,350 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	> 100°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	3,8
	Comp. B	15,0	1,0
POT LIFE (25°C)	2 h		
INDUCTION TIME	Only at temperatures below 16°C, allowing the mixture to 20 minutes by induction.		
THEORETICAL SPREADING RATE	1,25 m ² /l - 800 µm 2,00 m ² /l - 500 µm		
THICKNESS BY COAT	500 µm (20 mils) and 800 µm (31 mils)		
DRYING TIME, for 500 µm	25°C 60% relative humidity		
		Minimum	Maximum
	Handle		6 h
	Recoat	6 h	72 h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 0 to 42°C.	
	Relative Humidity	There is no restriction	
	Dew Point	The product can be applied to moist substrate.	
	Cleaning solvent	420.0000	
	Thinner	Not Applicable	
APPLICATION	Brush	It is not necessary to dilute. This method must be used only for retouch and backing of welding cords and corners.	
	Roller	Need more coats to achieve the desired thickness. Using low-density wool roller for epoxy or synthetic epoxy roller to roll epoxy. It is advisable to pour into a shallow tray to extend the pot life.	
	AirLess Spray Gun	Pump 45: 1 (minimum) and use nozzles between 19 to 27 and pump pressure between 175 to 210 kgf/cm ² (2500 to 3000 psi).	



SURFACE PREPARATION	Direct over carbon steel	The surface must be dry, free from salt, oil, grease, fat, dust and other contaminants. Recommended treatment standard: ISO 8501-1 St3 (minimum) for areas without immersion (atmospheric zone). Recommended treatment standard: ISO 8501-1 Sa 2½ or SSPC VIS 4 / NACE VIS 7 WJ2 for immersed areas. Accepted treatment St3 for small areas and repairs painting. Applicable on surfaces treated with hydroblasting being tolerant to oxidation and the residual moisture in the substrate, preventing applications on pools of areas.
	Recommended TopCoat/ Sealer	Revran ECO NVC or low content of organic solvents (low VOC). Other finishes, please contact our technical department.

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. Low temperatures increase the curing time. For temperatures below 10 ° C, please contact our technical department.
 5. Avoid using the product at the end of pot life (increase in viscosity).
 6. Drying will change if thickness, temperature and relative humidity are different from those mentioned on the first page. The total hardness of the product takes place after 5 days (25 ° C).
 7. The repainting is only described for epoxy and polyurethane systems, with or without solvents. If the range is exceeded, must be carried mechanical grinding and washing the surface with any of the solvents for cleaning equipment, before repainting.
 8. For immersion in other chemical products, contact our technical department.
 9. Can be diluted depending on the equipment. Consult technical department.
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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).
