

Revran NVC WST 870 uses specially selected raw materials, and it is pigmented with anti rust and high chemical resistance products. Surface tolerant, it is applicable on a wet surface after washing the substrate with fresh water, reducing contamination by soluble salts. Also accepts application on oxidation. Ecological product, high solids, free of organic solvents (no VOC) and low odor. Can be used without relative humidity or dew point restrictions. Reacts with water and oxides of the substrate, providing excellent adhesion and corrosion protection. Product with the property edge retentive (high retention at the edges). Furthermore, it has Certification: IMO / PSPC -DNV and ABS.

TECHNICAL CHARACTERISTICS

TYPE

High build polyamine-epoxy coat, two pack system.

USAGE

Surface: Carbon Steel. Recommended for offshore oil and marine industries. Side of painting, deck, basements, hatch covers, coamings and bulwark. Metal structures, equipment, bridges and pipelines. Internal ballast tanks, fresh water and crude oil.

TECHNICAL INFORMATION

COLOR	Red Oxide and Grey	Others color, please consult us.			
FINISH	The product may vary from matt to glossy depending on the application site conditions.				
VOLUME SOLIDS	100% (Recommendation 11) According to ISO 3233				
WEIGHT PER LITER	1,350 ± 0,05 g/ml	According to ASTM D 1475			
FLASH POINT	>60°C				
VOC	No VOC				
MIXING RATIO		Weight	Volume		
	Comp. A	100,0	3,8		
	Comp. B	15,0	1,0		
POT LIFE (25°C)	3 h (1h45min at 25°C with the Winter Comp. B)				
INDUCTION TIME	Not applicable. Only at temperatures below 16°C, allowing the mixture to 20 minutes by induction.				
THEORETICAL SPREADING RATE	6,66 m ² /l - 150 µm				
THICKNESS PER COAT	150 µm (6 mils)				Winter Comp. B:
DRYING TIME, for 150 µm	Comp. B: 870.1382				870.1895
		15°C at 75% RH	20°C at 70% RH	25°C at 60% RH	25 °C at 60% RH
		Minimum	Maximum	Minimum	Maximum
	Handle		24 h	20 h	16 h
	Recoat	24 h	10 dias	12 h	5 dias
		16 h	7 dias	6 h	3 dias
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 5 to 52°C			
	Thinner	420.0000			
	Brush	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.			
APPLICATION	Roller	Requires a greater number of coats to achieve the desired thickness. Must be used solvent resistant roller (sheep wool). The wool must be cutted (small size) to avoid blistering during the application.			
	AirLess Spray Gun	Minimum recommended Pump 45: 1. 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, dust and other contaminants. For immersion areas: ISO 8501-1 Sa 2½ or SSPC VIS 4 / NACE VIS 7 WJ3. Acceptable mechanical treatment St3 for small areas, repairs painting and non-immersion areas. Applicable on wet surfaces (without forming puddles), treated with water jetting (Hydroblasting) and is tolerant to oxidation (flash rust).			
	Coated Surfaces	The surface must be clean and free of contaminants as oils, fat, grease and dust. Must not present peeling's areas. Proceed light sanding (220) to break the gloss.			
	Recommended TopCoat / Sealer	Revran ECO NVC or low content of organic solvents (low VOC). Others topcoats, 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, viscosity and drying 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. Low temperatures increase the curing time. At temperatures below 10°C, please contact our technical department.
 4. The product version as topcoat is always followed by the letter F.
 5. Allows application to initial oxidation as Grade M form SSPC -VIS 4/NACE VIS 7 Standard.
 6. Pot life is shortened by higher temperature and by the size of the can where the product is mixed and homogenized. Avoid using the product at the end of its shelf life due to viscosity increase.
 7. Drying will change if thickness, air temperature and relative humidity are different from those mentioned. The total hardness of the product takes place after 5 days (25°C).
 8. The repainting above is only described for epoxy and polyurethane systems, with or without solvents. If the range is exceeded, must be carried mechanical sanding the surface and washing with either solvents for cleaning equipment, before the recoating.
 9. For immersion in different chemicals from those mentioned in "Usage", please consult our technical department.
 10. The product can be applied over moist substrate.
 11. Theoretical estimate.
 12. The product can be diluted depending on the equipment. Please consult our 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).
