



Revrans PEF 870 uses specially selected raw materials, epoxy phenolic resin cured with polyamine which provide excellent chemical and mechanical resistance. Low organic solvent content (low VOC) and surface tolerant, can be formulated with pigments free of heavy metals.

TECHNICAL CHARACTERISTICS

TYPE

Primer, epoxy phenolic resin. Two pack system.

USAGE

Recommended for use in large structures, offshore, coating for external and internal tanks, pipes and various industrial equipment. Also suitable for: deck, side, boottop, superstructure, coamings, hatchway lids and accessories in general.

TECHNICAL INFORMATIONS

COLOR	Red Oxide	Other colors, please consult.	
FINISH	Semi glossy		
VOLUME SOLIDS	78% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,500 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	25°C		
VOC	205 g/l		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	8,0
	Comp. B	7,4	1,0
POT LIFE (25°C)	3 h		
INDUCTION TIME	15 min		
THEORETICAL SPREADING RATE	6,5 m ² /l - 120 µm		
WET THICKNESS	154 µm		
DRY THICKNESS	120 µm		
DRYING TIME, for 120 µm		25°C	
		Minimum	Maximum
	Touch		2 h
	Handle		6 h
	Recoat	16 h	24 h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 0 to 40°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.	
	Roller	Dilute up to 10% (vol.) with recommended thinner. Need more 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.	
	Conventional Spray Gun	Dilute up to 20% (vol.) with recommended thinner. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar. Spray pressure between 3,0 to 4,0 kgf/cm ² (42 to 56 psi). Tank pressure between 1,5 to 2,5 kgf/cm ² (21 to 35 psi).	
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 21 to 29 and pump pressure between 140 to 175 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 for immersed areas. Accepts St 3 treatment (minimum) to minor repairs and maintenance. Applicable on surfaces treated with Ultrahigh Pressure Water Jetting, being tolerant to flash rusting and residual moisture in the substrate with no stains or puddling of water, not immersed areas.
	Recommended Primers	Not Applicable
	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, cleaning, with 220 sandpaper to shine break.
	Recommended TopCoat	Rethane FAA 874, Rethane FDD 870 and Revran DEF 870. Other Topcoats consult 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. Low temperatures increase the curing time. For temperatures below 10 ° C, consult our Technical Department.
 4. The pot life decreases with increasing temperature and catalyzed volume.

- 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).
