



Revran EHS 870 uses specially selected raw materials, showing great moisture resistance, excellent adhesion to steel, high mechanical resistance and moderate abrasion. Anticorrosive paint, epoxy resin cured with polyamide, high thickness and high solids, free of coal tar. Low organic solvent content (low VOC).

TECHNICAL CHARACTERISTICS

TYPE

Primer, epoxy resin. Two pack system.

USAGE

Recommended for use in carbon steel substrate, offshore equipment, piers, buried structures, barges, side, bootop and ballast tanks of vessels, among others.

TECHNICAL INFORMATIONS

COLOR	Gray and Black		
FINISH	Semi-glossy		
VOLUME SOLIDS	80% ± 3	According to ISO 3233	
WEIGHT PER LITER	1,600 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	35°C		
VOC	202 g/l		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	106,0	1,0
POT LIFE (25°C)	3 h		
INDUCTION TIME	15 min		
THEORETICAL SPREADING RATE	8,00 m ² /l - 100 µm		
	4,00 m ² /l - 200 µm		
WET THICKNESS	125 - 250 µm		
DRY THICKNESS	100 - 200 µm		
DRYING TIME, for 100 µm	25°C		

	Minimum	Maximum
Touch		30 min
Handle		5 h
Recoat	8 h	28 days

ENVIROMENTAL 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	It is not necessary to dilute. 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.

APPLICATION	Conventional Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm ² (35 to 42 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 19 to 25 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. Wash it off with fresh water, detergents and solvents. Standard treatment recommended: Sa 2 ½ and St 3 to minor repairs, according to ISO 8501-1.
	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	Consult our Technical Department.

SHELF LIFE	12 months
UN NUMBER	1263
HAZARD NUMBER	30

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 was submitted.
 5. Low temperatures increase the curing time. For temperatures below 10 ° C, consult our Technical Department.
 6. Coatings based on epoxy resin has its own characteristics. The film is subject to changes in color, gloss, calcination and /or staining when exposed to weathering. These inherent characteristics of epoxy coatings will be potentiated when such products are exterior exposed subject to condensation, high humidity and UV radiation prior to the specified curing time. It is important to emphasize that these changes are only aesthetic, not compromising the performance of the coatings.
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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).
