

Revran DST PLUS 870 ESP uses specially selected raw materials, showing great anticorrosive performance by having the anticorrosive pigment zinc phosphate. Presents excellent adhesion to blasted steel with good mechanical resistance. In addition, great penetrating power and is applicable on substrates mechanically treated. This is a high build and environmentally friendly, high solids, low content of volatile organic compounds (low VOC).

TECHNICAL CHARACTERISTICS

TYPE

Modified epoxy resin, dual function. Two pack system.

USAGE

Recommended especially for the general metal structures.

TECHNICAL INFORMATIONS

COLOR	Red Oxide	Other colors, please consult.	
FINISH	Satin		
VOLUME SOLIDS	80% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,500 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	35°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	95,0	1,0
POT LIFE (25°C)	3 h (35°C - 2h)		
INDUCTION TIME	15 min - 30 min		
THEORETICAL SPREADING RATE	10,0 m ² /l - 80 µm 5,4 m ² /l - 150 µm		
WET THICKNESS	100 µm - 188 µm		
DRY THICKNESS	80 µm - 150 µm		

DRYING TIME, for 80 µm	25°C	Revran DST PLUS		One pack systems		Polyurethane/ epoxy	
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Touch			2 h				
Handle			5 h				
Recoat		5 h		14 h	72h	14 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 dilution. This method must be used only for retouch and backing of welding cords and corners.
	Roller	Dilute up to 5% (vol.) with recommended thinner. 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 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 3,0 a 4,0 kgf/cm ² (42 to 56 psi). Tank pressure between 1,5 e 2,5 kgf/cm ² (21 to 35 psi).
	AirLess Spray Gun	Dilute up to 5% (vol.) with recommended thinner. Use nozzles between 23 to 29 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 of contaminants such as salt deposits, oil, grease, fat, dust, etc. Wash it off with fresh water, detergents and solvents. Recommended abrasive blast ISO 8501-1 St 3 (minimum) if the surface is grade of C. If the steel to corrosion mill scale, proceed blasting to Sa 2½.
	Recommended Primers	Rethane DHG 652 and Rethane FBR 640. Other primers, please contact our Technical Department.
	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	Not applicable

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. For temperatures below 10 ° C, contact our technical department.
3. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
4. The application roller needs more coats to achieve the desired thickness and uniformity in coverage.
5. Important: Add the curing agent in component B and mix. After additive, mixing components A and B in a mechanical shaker for 5 minutes. Products for immersion is NOT recommended additives. The pot life is reduced with additives.
6. Low temperatures increase the curing time. For temperatures below 10°C, add the curing agent: 870.0576. Quantity volume: 100ml per set of 7.2 liters and 550 ml per total of 40 liters.
7. If the recoating interval is exceeded, proceed light sanding. For temperatures above the established repainting the range will be reduced.
8. When making overcoating on epoxy and polyurethane systems where the film is in the calcination process, proceed pellicle cleaning with water and, if necessary, sanding or mechanical treatment.

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).
