

Revran DST PLUS 727 uses specially selected raw materials, showing high build, excellent adhesion to blasted steel with high mechanical resistance. It has great penetrating power and is applicable on substrates treated mechanically. Great anticorrosive performance by having the pigment base of zinc phosphate. Ecological product of high solids and low VOC.

TECHNICAL CHARACTERISTICS

TYPE

Epoxy modified primer / topcoat, two pack system.

USAGE

Recommended for substrates in carbon steel, metal structures in general and freeboard. It can also be applied as primer and topcoat for superstructure.

TECHNICAL INFORMATIONS

COLOR	Aluminum		
FINISH	Metalic		
VOLUME SOLIDS	63% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,500 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	32°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	94,0	1,0
POT LIFE (25°C)	3 h (2h a 35°C)		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	6,3 m ² /l - 125 µm		
WET THICKNESS	160 µm		
DRY THICKNESS	125 µm		

DRYING TIME, for 125 µm	25°C	Revran DST PLUS		One pack system		Polyurethane / Epoxy system	
		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
	Touch		2 h				
	Handle		5 h				
	Recoat	5 h		14 h	72 h	14 h	

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

Brush	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.
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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.
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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 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 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).
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SURFACE PREPARATION	Direct over carbon steel	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust, etc. Recommended treatment standard : St 3 (minimum) if the surface is with corrosion degree C , according to ISO 8501-1 . If the present steel mill scale , blast to carry Sa 2½ 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 (220) to break the gloss.
	Recommended TopCoat	Rethane DHG 652, Rethane FBR 640

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. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
4. Low temperatures increase the curing time. At temperatures below 10°C, add curing agent 870.0576. Quantity volume : 100ml per set of 7.2 liters and 550 ml per total of 40 liters.
5. Add the curing agent in component B and mix. After that, mix the 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. If the recoat interval is exceeded, carry light sanding. For temperatures above the established the recoat range will be reduced.
7. If the film begins to calcinate when recoating on epoxy or polyurethane systems, clean it with water and, if necessary, sand it or apply 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).
