

Rethane DFA 870 uses specially selected raw materials, showing great drying, excellent adhesion on non-ferrous metal substrates and excellent resistance to weathering.

#### TECHNICAL CHARACTERISTICS

##### TYPE

Aliphatic acrylic polyurethane primer/topcoat. Two pack system.

##### USAGE

Recommended as a coating for steel structures, equipment and galvanized accessories, aluminum, copper, stainless steel, outer lining of tanks and pipes. For ferrous substrates use on epoxy primer.

#### TECHNICAL INFORMATIONS

<b>COLOR</b>	White	Other colors, please consult.	
<b>FINISH</b>	Glossy		
<b>VOLUME SOLIDS</b>	42% ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,200 ± 0,05 g/ml	According to ASTM D 1475	
<b>FLASH POINT</b>	23°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	4,0
	<b>Comp. B</b>	20,0	1,0
<b>POT LIFE (25°C)</b>	4 h		
<b>INDUCTION TIME</b>	15 to 30 min		
<b>THEORETICAL SPREADING RATE</b>	14,0 m <sup>2</sup> /l - 30 µm 10,5 m <sup>2</sup> /l - 40 µm		
<b>WET THICKNESS</b>	71 µm - 95 µm		
<b>DRY THICKNESS</b>	30 µm - 40 µm		
<b>DRYING TIME, for 30 µm</b>		25°C	
		Minimum	Maximum
	<b>Touch</b>		30 min
	<b>Handle</b>		2 h
	<b>Recoat</b>	6 h	
<b>ENVIROMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 0 to 40°C.	
	<b>Relative Humidity</b>	Between 30 to 85%	
	<b>Dew Point</b>	Surface temperature is at least 3°C above dew point	
	<b>Thinner</b>	440.0000	
<b>APPLICATION</b>	<b>Brush</b>	It is not necessary to dilute.	
	<b>Conventional Spray Gun</b>	Dilute up to 10% (vol.) recommended thinner. Conventional DeVilbiss JGA 502 FX 704 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm <sup>2</sup> (35 to 43 psi). Tank pressure between 0,5 to 1,5 kgf/cm <sup>2</sup> (7 to 21 psi).	
	<b>AirLess Spray Gun</b>	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 9 to 17 and pump pressure between 140 to 175 kgf/cm <sup>2</sup> (2000 to 2500 psi).	

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<b>SURFACE PREPARATION</b>	<b>Direct on carbon steel</b>	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminant.
	<b>Recommended Primers</b>	Not applicable.
	<b>Recommended Sealer</b>	Can be used directly as a sealer, diluting to 10% as primer
	<b>Coated Surfaces</b>	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.
	<b>Recommend Topcoats</b>	Not applicable.

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<b>SHELF LIFE</b>	12 months
<b>UN NUMBER</b>	<b>1263</b>
<b>HAZARD NUMBER</b>	<b>33</b>

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#### IMPORTANT RECOMMENDATIONS

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1. All substrates subjected to galvanizing process hot dip (hot dip galvanized) or copper should be previously tested adherence, or make light sanding or light jet (brush off). Then spend a jet of air to remove dust, or make cleaning with solvent.
  2. 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.
  3. Ferrous substrates consult our Technical Department.
  4. 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.
  5. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
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#### SAFETY PRECAUTIONS

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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

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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).

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