

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

TECHNICAL CHARACTERISTICS

TYPE

Aliphatic acrylic polyurethane topcoat / primer, two pack system.

USAGE

Indicated for tanks and pipes (outer coating). Also recommended for steel structures, equipment and accessories galvanized, aluminum, copper and stainless steel.

TECHNICAL INFORMATIONS

COLOR	White	Other colors, please consult.	
FINISH	Glossy		
VOLUME SOLIDS	51% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,120 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	23°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	6,2
	Comp. B	15,0	1,0
POT LIFE (25°C)	2 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	17,00 m ² /l - 30 µm 12,75 m ² /l - 40 µm		
WET THICKNESS	59 µm - 78 µm		
DRY THICKNESS	30 µm - 40 µm		
DRYING TIME, for 30 µm		25°C	
		Minimum	Maximum
	Touch		3 h
	Handle		6 h
	Recoat	6 h	48 h
ENVIROMENTAL CONDITIONS	Temperature	Should be between 0 to 40°C.	
	Relative Humidity	Maximum 85%	
	Dew Point	Surface temperature is at least 3°C above dew point	
	Thinner	440.0000	
APPLICATION	Brush	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.	
	Conventional Spray Gun	Dilute up to 10% (vol.) with 440.0000 thinner. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm ² (35 to 43 psi). Tank pressure between 0,5 to 1,5 kgf/cm ² (7 to 21 psi).	
	AirLess Spray Gun	Dilute up to 10% (vol.) with 440.0000 thinner. Use nozzles between 21 to 27 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).	



SURFACE PREPARATION	Metal surface	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminant.
	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.
	Recommend Topcoats	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.
3. For aluminum color, a coat should be applied of Rethane DHG 652 Colorless to avoid staining of the film, due to the presence of water and/or moisture, and also due to handling parts already painted.
4. 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.
5. Pot life is shortened by higher temperature and by the increase of 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.
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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).
