

Rethane AAF 870 uses specially selected raw materials, showing superior color and gloss retention, excellent chemical resistance and easy application by conventional spray. Owns property that inhibits the formation and proliferation of fungi, certified by IPT and light colors that enables the reduction of evaporation losses.

TECHNICAL CHARACTERISTICS

TYPE

Aliphatic acrylic polyurethane topcoat/primer, completely free of styrene. Two pack system.

USAGE

Recommended for use on epoxy primer and coating and external tanks. Also recommended for steel structures, industrial equipment in general, pulp and paper, petrochemical, sugar and alcohol. For inhibiting the proliferation of fungi.

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.	
FINISH	Glossy		
VOLUME SOLIDS	65% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,300 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	24°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	4,0
	Comp. B	21,0	1,0
POT LIFE (25°C)	2 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	10,83 m ² /l - 60 µm 9,28 m ² /l - 70 µm		
WET THICKNESS	92 µm - 107 µm		
DRY THICKNESS	60 µm - 70 µm		
DRYING TIME, for 60 µm		25°C	
		Minimum	Maximum
	Touch		4 h
	Handle		8 h
	Recoat	8 h	48 h
ENVIRONMENTAL 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/ 440.0005 (roller)	
APPLICATION	Brush	It is not necessary to dilute. This method must be used only for retouch and backing of welding cords and corners.	
	Conventional Spray Gun	Dilute up to 10% (vol.) recommended thinner. Conventional DeVilbiss JGA 502/3 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 recommended thinner. Use nozzles between 11 to 19 and pump pressure between 140 to 211 kgf/cm ² (1991 to 3001 psi).	

SURFACE PREPARATION	On appropriate primer	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminant.
	Recommended Primers	Revran PLB 520, Revran PLB 530, Revran PAA 540, Revran ECO NVC 997, Revran NVC WST 870 and Revran PHZ 528. Outros primers, please, consult our thecnical 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.
	Recommende 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. Component B consists of isocyanate, which is reactive with moisture in the air. Therefore, every use of the product, close the container as soon as possible so that does not lose its efficiency.
4. If a better film uniformity is required, the use of solvent 440.0005 up to 5% by volume is advisable
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).
