



Rethane FWP SF 671 uses in its composition high-tech raw materials that give high color and gloss retention, besides excellent chemical resistance. Product specially formulated for wind towers industry, showing fast drying and excellent adhesion, part of approved painting systems according to ISO 12944.

TECHNICAL CHARACTERISTICS

TYPE

High durability semi-matte Topcoat, two pack system based on aliphatic acrylic polyurethane completely styrene free.

USAGE

Recommended as topcoat over epoxy primer for interior and exterior of wind towers.

TECHNICAL INFORMATIONS

COLOR	Gray	Other colors, please consult us.		
FINISH	Semi-matte			
VOLUME SOLIDS	59% ± 2	According to ISO 3233		
WEIGHT PER LITER	1.320 ± 0.05 g/ml	According to ASTM D 1475		
FLASH POINT	24°C			
VOC	383 g/l			
MIXING RATIO		Weight	Volume	
	Comp. A	100.0	5.5	
	Comp. B	14.0	1.0	
POT LIFE (25°C)	2 h			
INDUCTION TIME	Not applicable			
THEORETICAL SPREADING RATE	9.83 m ² /l - 60 µm			
	5.90 m ² /l - 100 µm			
WET THICKNESS	102 to 170 µm			
DRY THICKNESS	60 to 100 µm			
DRYING TIME, for 60 µm		25°C		40°C
		Minimum	Maximum	Minimum

Touch				
Handle				
Recoat	2 h	48 h	1 h	24 h

ENVIROMENTAL CONDITIONS	Temperature	Should be between 5 to 52°C
	Relative Humidity	Between 30 to 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.
	Roller	Dilute up to 10% by volume with recommended thinner. Use haired roller down solvent resistant (sheep wool). Necessary largest number of coats to achieve the desired thickness.
	Conventional Spray Gun	Dilute up to 10% by volume with recommended thinner. Conventional DeVilbiss JGA 502 FX 704 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% by volume with recommended thinner. Use nozzles between 11 to 19 and pump pressure between 140 to 211 kgf/cm ² (2000 to 3000 psi).



Over recommended primer The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.

SURFACE PREPARATION

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 Primers Revran DWP 728, Revran FWP 729 and Rezinc ZWP 524.

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. Low temperatures increase the curing time. At temperatures below 10°C, please contact our technical department.
 4. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
 5. Component B contains 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.
 6. VOC calculated (theoretical)
 7. The values found in the technical report were obtained in laboratory controlled conditions. For different conditions mentioned, the above values established tend to be different than those specified.
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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).
