

Revran DWP 729 is a product specially formulated for the wind towers industry, giving the painting system fast drying and high anti-corrosive performance. It has excellent adhesion to steel, part of painting systems approved according to ISO 12944. Product with high solids and low VOC.

TECHNICAL CHARACTERISTICS

TYPE

Topcoat epoxy, two pack system.

USAGE

Recommended coating for carbon steel substrates. Indicated as internal paint finish of wind towers system ISO 12944-2 standard.

TECHNICAL INFORMATIONS

COLOR	White	Other colors, please consult.		
FINISH	Semi glossy			
VOLUME SOLIDS	75% ± 3	According to ISO 3233		
WEIGHT PER LITER	1,450 ± 0,05 g/ml	According to ASTM D 1475		
VOC	231 g/l			
FLASH POINT	35°C			
MIXING RATIO		Weight	Volume	
	Comp. A	100,0	4,0	
	Comp. B	10,0	1,0	
POT LIFE (25°C)	3 h			
INDUCTION TIME	Not applicable			
THEORETICAL SPREADING RATE	7,50 m ² /l - 100 µm			
	3,75 m ² /l - 200 µm			
WET THICKNESS	133 to 267 µm			
DRY THICKNESS	100 to 200 µm			
DRYING TIME, for 60 µm		25°C		40°C
		Minimum	Maximum	Minimum
	Touch		1 h	40 min
	Handle		3 h	2 h
	Recoat	3 h	7 dias	2 h
				5 dias
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		

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 hairer solvent resistant (sheep wool).
	Conventional Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 FX 704 spray gun or similar. Spray pressure between 2,5 a 3,0 kgf/cm ² (35 to 40 psi). Tank pressure between 1,5 e 2,5 kgf/cm ² (21 to 35 psi).
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 19 to 25 and pump pressure between 175 to 210 kgf/cm ² (2500 to 3000 psi).
SURFACE PREPARATION	Direct over carbon steel	Blast cleaning ISO 8501-1 Sa 2 ½. It is accepted St 3 treatment for small areas and repairs painting. The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	Recommended Primers	Rezinc ZWP 524.
	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	Available in Rethane FWP line in different textures.
SHELF LIFE	12 months	
UN NUMBER	1263	
HAZARD NUMBER	33	
IMPORTANT RECOMMENDATIONS		
<ol style="list-style-type: none">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. The adhesion of the painting system corresponds to the type of preparation the painted surface has been submitted to.4. Pot life is shortened by higher temperature, and by the increase of catalyzed volume.5. If recoat time exceeds, sand the surface lightly. If temperature is higher than established the recoat drying time will be reduced.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.		



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.

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).
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