

Rezinc ZWP 524 uses specially selected raw materials, showing cathodic protection to the substrate. Product specially formulated to the wind tower industry. It has excellent applicability and drying. The application of the high build finish dispenses tie coat or primer mist coat. Rezinc ZWP 524 consists of approved painting system to ISO 12944.

TECHNICAL CHARACTERISTICS

TYPE

Zinc rich epoxy primer, two pack system.

USAGE

Recommended for carbon steel wind towers, ensuring high performance protection.

TECHNICAL INFORMATIONS

COLOR	Gray				
FINISH	Matt				
VOLUME SOLIDS	59% ± 2	According to ISO 3233			
WEIGHT PER LITER	2.300 ± 0.05 g/ml	According to ASTM D 1475			
FLASH POINT	32°C				
VOC	386 g/l				
MIXING RATIO		Weight	Volume		
	Comp. A	100.0	8.0		
	Comp. B	5.0	1.0		
POT LIFE (25°C)	4 h				
THEORETICAL SPREADING RATE	11.8 m ² /l - 50 µm				
	5.90 m ² /l - 100 µm				
WET THICKNESS	85 µm to 170 µm				
DRY THICKNESS	50 µm to 100 µm				
DRYING TIME, for 50 µm	25°C		40°C		
		Minimum	Maximum	Minimum	Maximum
	Touch	1 h		30 min	
	Handle	4 h		2:30 h	
	Recoat	1 h	(see recommendation 6)	1 h	(see recommendation 6)
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 or 494.0009			
APPLICATION	Roller/ Brush	This method must be used only for retouch and backing of welding cords and corners.			
	Conventional Spray Gun	Dilute up to 10% by volume with 420.0000 or 494.0009. Conventional DeVilbiss JGA 502 FX 67 spray gun or similar. Spray pressure between 2.8 to 3.5 kgf/cm ² (35 to 43 psi). Tank pressure between 0.7 to 1.4 kgf/cm ² (7 to 21 psi). Use pressure tank with stirrer.			
	AirLess Spray Gun	Dilute up to 10% by volume with 420.0000 or 494.0009. Use nozzles between 23 to 29 and pump pressure between 175 to 210 kgf/cm ² (2000 to 2500 psi).			
SURFACE PREPARATION	Carbon steel	The surface must be dry , free from salt, oil, grease, dust and other contaminants. Recommended treatment standards ISO 8501-1, blast cleaning Sa 2 ½.			
	Recommended Primers	Not applicable			
	Coated Surface	Not applicable			
	Recommended TopCoat	Revran DWP 728, Revran FWP 729 and Rethane FWP family.			
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. The pot life decreases with increasing temperature.
4. Low temperatures increase the curing time, to temperatures below 10°C, please contact our technical department.
5. Zinc is abrasive. If the user wants to have a long-lasting spray gun and a better final application, it is recommendable to use a DeVilbiss JGA 5023 EE 67 spray gun (tungsten carbide) or similar.
6. The surface must be dry, free of contaminants, and showing integrity of the film in perfect condition.
7. Applications finish with roller should be on tie coat or mist coat.
8. VOC calculated (theoretical).
9. 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).
