

RUST-OLEUM®**TECHNICAL DATA****RO-108****HIGH PERFORMANCE
EPOXY POOL PAINT****DESCRIPTION AND USES**

High Performance Epoxy Pool Paint is designed for concrete, plaster, gunite, and fiberglass swimming pools, slides, and spas. The epoxy finish provides stain, chemical, and abrasion resistance. While exposure to sunlight and certain interior lighting conditions causes fading and chalking of all epoxy type coatings, these changes are cosmetic in nature only and film integrity and performance will not be adversely affected. Epoxy coatings will yellow with age. This is most noticeable with interior applications of white or light colors which are not subjected to bleaching from sunlight.

PRODUCTS

2-Gallon Kits	Description
267919	White
267940	Blue
270182	Black

PRODUCT APPLICATION**SURFACE PREPARATION**

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Clean & Prep Solution or other suitable cleaner. Rinse with fresh water and allow to dry. Surfaces can also be cleaned using a high pressure washer at 3,500 psi.

CONCRETE OR MASONRY: New concrete or masonry must cure 30 days before any coatings application. Remove all loose, unsound concrete. Remove laitance and create a surface profile by either acid etching with Rust-Oleum 108402 Cleaning and Etch Solution, or by grinding. Surface sealers and curing agents must be removed by grinding.

PREVIOUSLY COATED: Previously painted epoxy or bare fiberglass surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding or sweep blasting to create a surface profile. The High Performance Epoxy Pool Paint is compatible with most coatings, but a test patch is suggested.



PRODUCT APPLICATION (cont.)

MIXING

Both the base and activator components are highly pigmented. Mix each component thoroughly to ensure any settled pigment is re-dispersed before combining the components together. Combine at a 1:1 ratio by volume in a container large enough to hold the total volume. Mix thoroughly for 2-3 minutes. Power mixing is preferred. Do not mix more material than you plan to use within the listed pot life.

APPLICATION

Airless spray is the preferred method of application. However, brush, roller, or air-atomized spray may also be used. Refer to table for thinning recommendations. For proper performance, a dry film thickness of 5-8 mils (7-11 mils WFT) per coat is required. Excessive brushing or rolling may reduce film thickness. Apply a second coat if necessary to achieve the recommended film thickness.

Apply only when air and surface temperatures between 60-100°F (15-38°C) and when the surface temperature is at least 5°F (3°C) above the dew point. Use in areas with adequate ventilation. The relative humidity should not be greater than 85%. Extremely high or low relative humidity can affect dry times and the final gloss of the coating. Low curing temperatures and/or condensation on the film while curing can affect appearance in the form of an amine blush. This can generally be removed with soap and water. In a case of extreme blushing, the performance of the coating may be slightly affected.

NOTE: If curing time exceeds 30 days, the surface must be scarified by sanding, or other method, prior to application of an additional coat or other finish coating.

Note: Early chalking may occur if the pH of the water is outside the range of 7.2-7.6 and/or the water temperature exceeds 100°F (38°C). Early contact with water can cause premature fading, chalking and blistering. Super chlorinated water can cause a bleached-out appearance. Sunlight and UV will cause chalking and fading. **Do Not** use over chlorinated rubber, synthetic rubber, vinyl, or acrylic substrates.

EQUIPMENT RECOMMENDATIONS

(Comparable equipment is also suitable).

BRUSH: Use a good quality natural or synthetic bristle brush.

ROLLER: Use a good quality lamb's wool or synthetic fiber (3/8-1/2"nap).

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	0.055-0.070	10-16 oz./min.	25-60 psi
Siphon	0.055-0.070	—	25-60 psi
HVLP	0.043-0.070	8-10 oz./min.	10 psi (at tip)

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
1800-3000psi	0.013-0.017	100

CLEAN-UP

When finished, wash tools and equipment with 160

Thinner or xylene. **Clean up drips or spatters**

IMMEDIATELY with 160 Thinner or xylene as dried

paint is very difficult to remove. Properly dispose of all soiled rags.


PHYSICAL PROPERTIES

High Performance Epoxy Pool Paint			
Resin Type		Polyamide converted Epoxy	
Pigment Type		Varies with color	
Solvents		Exempt halogenated solvent Benzyl alcohol (activator only)	
Weight per Gallon*		12.5-13.2 lbs.	
Weight per Liter*		1.5-1.6 kg	
Solids by Weight*		78.9-82.9%	
Solids by Volume*		75.7-79.7%	
* Activated Material			
Volatile Organic Compounds*		<100 g/l (0.83 lbs./gal.)	
Mixing Ratio		1:1 Base to Activator (by volume)	
Recommended Dry Film Thickness (DFT) per Coat		5.0-8.0 mils (125-200µ)	
Wet Film to Achieve DFT (Unthinned material)		6.5-10.0 mils (162.5-250µ)	
Theoretical Coverage at 1 mil DFT (25µ)		1214-1278 sq.ft./gal. (29.9-31.4 m ² /l)	
Practical Coverage at Recommended DFT (assume 15% material loss)		130-215 sq.ft./gal. (3.2-5.3 m ² /l)	
Induction Period		30 Minutes required	
Pot Life† @70-80°F (21-27°C) and 50% Relative Humidity	2 gallons	2-4 hours at 70°F (21°C)	1-2 hours at 90°F (32°C)
	10 gallons	2 hours at 70°F (21°C)	<1 hour at 90°F (32°C)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity			
Tack Free		8-10 hours at 70°F (21°C)	16-24 hours at 50°F (10°C)
Handle		10-16 hours at 70°F (21°C)	48-72 hours at 50°F (10°C)
Recoat		24 hours to 30 days at 70°F (21°C)	72 hours to 30 days at 50°F (10°C)
Shelf Life		5 years	
Dry Heat Resistance		NA	
Safety Information	Flash Point	Base: 115°F (46°C): Activator: 116°F (47°C)	
	Warning!	COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT, EYE, AND SKIN IRRITATION. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE ALLERGIC SKIN REACTION. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. REFER TO MATERIAL SAFETY DATA SHEET (MSDS) FOR ADDITIONAL INFORMATION.	

† Pot life is affected by air temperature, amount of material activated and quantity of thinner used. Avoid activating large quantities at temperatures above 80°F (27°C). At temperatures above 90°F (32°C), the pot life of unthinned material in 5 gallon pails may be very short (less than one hour). In hot weather, thin activated material with 10% 160 Thinner or 165 Thinner for use with 9102 Activator.

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