

971 EPS EPOXY SILOXANE FLOOR COATING

DESCRIPTION	Simiron 971 EPS is a unique high p VOC epoxy siloxane floor coating th chemicals, corrosion, UV exposure Simiron EPS provides the benefits one coating and is free from isocya	nat provides superior re and weathering. of a high performance	esistance against abrasion,	
FEATURES & BENEFITS	 Excellent gloss and color reter Excellent UV Stability Weather Resistant 	 Excellent UV Stability Weather Resistant Excellent acid and corrosion resistance High Solids, Low VOC 		
TYPICAL USES		 Industrial & commercial warehouses Food & beverage processing facilities Electric equipment plants Manufacturing facilities Pharmaceutical plants Power plants Automotive service areas High traffic applications Hangars Schools Shop floors 		
TECHNICAL	<u>PHYSICAL DATA</u> Finish: Color: Mix Ratio: Solids by Volume Solids by Weight Recommended Film Thickness:	Gloss Clear 2 Parts Base: 1 Part Activator 81% 83% 3 - 5 Mils		
	THEORETICAL COVERAGE 3 mils (76.2 microns) 5 mils (127 microns) VOC (EPA Method 24):	ft²/Gallon 534 320 ←100 g/L	m²/Liter 13.1 7.9	
	FLASH POINT Base: Activator: Shelf Life:		°C 104 °C 111 °C n stored indoors at 55°F to °C) for Base and Activator	

PERFORMANCE	Alassian Devictoria		(0	
	Abrasion Resistance:	ASTM D4060 CS17 wheel, 1000 cycles,	40 mg loss 1 Kg load	
	Adhesion:	ASTM D4541 Concrete failure; no delaminati	elcometer 2700 psi ion	
	Hardness, Shore D Gloss Retention:	ASTM 2240 QUV 2000 hours	70 →85%	
SURFACE PREPARATION	Bare Concrete: Bare concrete and primed concrete must be clean, dry and free of contaminates such as dirt, dust, grease, oil and other foreign materials. A suitable moisture barrier must be in place for concrete slabs on-grade. If a moisture vapor barrier is not in place, seasonal variations in ground moisture can cause excessive hydrostatic pressure regardless of results measured prior to coating application. Concrete should be shot blasted or diamond ground to a surface profile CSP 1 or 2.			
	Topcoat for Epoxy System: When applying on a newly coated epoxy, be sure to apply within the epoxy's recoat window to ensure proper adhesion to the epoxy coating. If applying topcoat outside of the epoxy's recoat window the surface must be abraded by using an 80/100 grit sandpaper, diamond or Diamabrush. Be sure to sand the previous coating until no gloss is visible. Before applying the coating, be sure the surface is clean, dry and free of contaminates such as dirt, dust, grease, oil and other foreign materials. If there is any blushing from the epoxy coating be sure to clean and remove with standard detergent.			
APPLICATION DATA	Pot-Life:			
APPLICATION DATA	50 °F (10 °C)/50% RH 90 minutes		90 °F (32 °C)/50% RH 30 minutes	
	<u>Curing Schedule</u> ର 72°F	(22°C) and 50% Relative Humidity:		
	To Touch 3 - 5 hours *Mechanically abrade surface with 100-150 grit sandpaper after 12 hours.			
	Light Foot Traffic	12 - 16 hours		
	Full Cure	3 - 5 days		
	Application Temperature Conditions			
	Air	45°F - 95°F	7°C - 35°C	
	Surface	45°F - 95°F 45°F - 95°F	7°C - 35°C 7°C - 35°C	
	Relative Humidity:	Minimum 25% - Maximum 90% Do not apply if temperature is w		
MIXING		art Base to one part Activator mix ng stir stick provided for 2 – 3 minu		

APPLICATION PROCEDURE	Equipment:
	Brushing: Use a high-quality synthetic bristle brush.
	Rolling: Use a 3/16" nap, woven, shed-resistant roller cover.
	Squeegee: Use a 24" flat / straight flexible red rubber solvent resistant blade.
	Application:
	Apply within temperature ranges listed and below 90% relative humidity. Applying outside of those ranges can result in inconsistent film gloss and outgassing. Only mix enough material that can be used within the recommended pot-life. The material can be applied by using a squeegee and roller. After mixing pour the material directly onto the floor. Use the squeegee to distribute the material across the floor and back roll. When coating in higher temperatures or in direct sunlight be careful to prevent any roller line marks. Do not over roll or roll back into coating that has begun to tack up, this could trap air into film or cause roller marks. To help prevent visual differences during application, be sure to minimize the time between tie-ins. Use control joints or natural breaks as breaking points between mixes. Consult with a Simiron representative for help or questions with your project.
CLEAN UP	Clean brushes, rollers, tools and equipment with lacquer thinner or xylene, follow solvent manufactures safety instructions.
SHIPPING DATA	Packaging: Premeasured 1-Gallon Kits Base: 0.66 gallons 86 fl. oz. (2.50L) in a 1 gallon (3.78L) Container Activator: 0.33 gallons 42 fl. oz. (1.25L) in a 1 gallon (3.78L) Container
	Shelf life is 24 months when stored indoors at 55°F to 95°F (13°C to 35°C) for Base and Activator
SAFETY PRECAUTIONS	Refer to SDS sheet before use. Safety precautions must be strictly followed during storage, handling and use.
WARRANTY	Simiron warrants this product to be free from defect in the material that affects its performance for a period of one year (from date of purchase). Simiron will replace, at no charge, the quantity of the coating that Simiron determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded.



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