



1500 EUV Epoxy Floor Coating

Description:

Simiron 1500 EUV is a unique, clear, 100% solids epoxy coating designed for high-build applications that demand UV resistance for interior applications. It has been formulated to produce a fast curing, durable coating with excellent ultraviolet and weathering characteristics, matched with excellent chemical and abrasion resistance. Simiron 1500 EUV can be used as a stand-alone product or a topcoat for a variety of recommended flooring systems. Simiron 1500 EUV eliminates the need for an aliphatic urethane topcoat.

Features & Benefits:

- Excellent UV Stability
 - Easy to work with
 - Isocyanate Free
 - Excellent Self-Leveling Characteristics
 - Non-chalking or Fading
 - High Gloss
 - Excellent Gloss Retention
 - Longer working time over polyurea, polyaspartic & polyurethane systems
 - VOC Compliant Nationwide
 - Excellent Chemical Resistance
 - Hi-Build System – up to 30 mils
 - 100% Solids
 - Excellent Adhesion
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Typical Uses:

- Showroom Floors
 - Topcoat for Decorative Quartz or Chip Flooring Systems
 - Parking Structures
 - Industrial & Commercial Warehouses
 - Food & Beverage Processing Facilities
 - Pharmaceutical Plants
 - Aircraft Hangars
 - Garages
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Technical:

Physical Data

Color:	Clear
Finish:	High Gloss
Components:	Two Components (Base and Activator)
Mix Ratio:	2:1
Curing Mechanism:	Chemical reaction between components
Volume Solids:	100%
Weight Solids:	100%
VOC (EPA Method 24):	<50 g/L; Compliant Nationwide
Shelf Life:	24 months when stored indoors at 55°F to 95°F (13°C to 35°C) for Base and Activator

Performance:

Gloss @ 60-degree Angle	ASTM D523	85
Hardness, Shore D	ASTM D2240	70
Abrasion Resistance	ASTM D4060	80 mg loss

Surface Preparation:*Bare Concrete:*

Bare concrete and primed concrete must be clean, dry and free of contaminants 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 2 or 3.

Topcoat for Epoxy System:

When applying on a newly coated epoxy, be sure to apply within the epoxies 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 a 100/120 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 contaminants 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:Application Temperature Conditions

Air	55°-95°F	13°-35°C
Surface	55°-95°F	13°-35°C
Material	55°-95°F	13°-35°C

Drying Schedule @ 10.0 mils wet (254 microns)

	@ 60°F	@ 70°F	@ 80°F
To Touch	6-8 Hours	5-6 Hours	3-4 Hours
To Recoat (Minimum)	16 Hours	10 Hours	8 Hours
To Recoat (Maximum)	72 Hours	72 Hours	72 Hours
Foot Traffic	16 Hours	14 Hours	12 Hours
Heavy Traffic	72 Hours	48 Hours	48 Hours
Full Cure	5 Days	5 Days	5 Days

Recoating after 72 hours requires surface abrasion to ensure proper adhesion

Application Equipment:

Squeegee – Flat or notched rubber squeegee (depending upon DFT required) with EPDM rubber blade, available from manufacturers of quality application tools like Midwest Rake Company.

Rollers – Use a 3/8" shed-resistant woven roller cover with phenolic core for back-rolling, available from manufacturers of quality application tools like Wooster Brush Company.

Mixing: One gallon kit comes premeasured and is ready to mix. Mix contents of each component thoroughly with low speed mixer. Then pour both Base and Activator into a clean five gallon mixing bucket and mix with high speed drill for 3 minutes, be sure that material is mixed thoroughly before using. There is no induction time required and the material should be applied immediately after mixing.

Pot-Life:

Approximately 25 minutes measured @70°F and 50% relative humidity. Higher temperatures or humidity will shorten pot-life and working time.

Application Procedure: Pour mixed material onto floor in a long bead approximately 12-18 inches wide. Do not drain or scrape remaining material in bucket. Use either a flat or notched rubber squeegee and spread material to uniform thickness. As material is being spread, another applicator should immediately back-roll material with a 3/8" shed-resistant woven roller cover. DO NOT BACK-ROLL MATERIAL AFTER IT BEGINS TO TACK-UP.

Clean Up: Clean brushes, rollers, tools and equipment with acetone or xylene, follow solvent manufactures safety instructions.

Shipping Data: Packaging

1 Gallon Kit
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

5-Gallon Pails
Base: 5 US Gal (18.92L) UN Pail
Activator: 5 US Gal (18.92L) UN Pail

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 before use. Safety precautions must be strictly followed during storage, handling and use. Copy of SDS can be found within Simiron.com.

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.

Corporate Office
Simiron
32700 Industrial Drive
Madison Heights, MI 48071
(248) 686-3600 / (866) 515-8775

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