



# CERAFIN

## PRODUCT DESCRIPTION

**SIMIRON CERAFIN** uses polysiloxane technology to improve the durability of surfaces, providing a ceramic-like finish that is clear and UV stable with high gloss. This topcoat is engineered with a high degree of cross-linking to deliver improved scuff, scratch, and chemical resistance compared to many other gloss options.

**CERAFIN** elevates the UV resistance of coatings and substrates. It was designed as a great option for customers who prefer a gloss topcoat for metallic systems, but the finish also can be used over other epoxy systems and polished concrete

## FEATURES AND BENEFITS

- High Gloss
- Very hard
- UV Stable
- Low Viscosity
- Easy to apply
- Isocyanate free

## RECOMMENDED USES

- Restaurants & Bars
- Showroom Floors
- Residential Homes
- Schools & Universities
- Retail Shops
- Cafeterias
- Lobby/Waiting Areas

## PRODUCT INFORMATION

**Size / Finish**  
1 Gal Gloss

**Item Number**  
40001223

## TECHNICAL DATA

PHYSICAL DATA	
Finish	Gloss
Color	Clear
Components	1
Recommended Film Thickness	.6 mils (dry)
Solids by Volume	20%
Solids by Weight	19%
VOC (EPA Method 24)	< 100 g/L

THEORETICAL COVERAGE		
3 mils (76.2 microns)	535 ft <sup>2</sup> /Gal	13 m <sup>2</sup> /Liter
CURE TIMES @ 72F (22C), 50% RH		
Work Time	2 minutes	
Tack Free	1 - 2 hours	
Light Foot Traffic	3 - 4 hours	
Full Cure / Drivable	2 days	
Recoat Window	24 hours	



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## PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Abrasion Resistance, Taber	ASTM D4060 (CS17 wheel, 1Kg load, 1000 cycles)	28 mg loss
Coefficient of Friction (Wet DCOF)	ANSI A326.3	.26
Hardness, Pencil	ASTM D3363	4H
Gloss at 60° Angle	ASTM D523	92 - 95
UV Resistance (100 hours in QUV)	ASTM G154	Ecmc = 5

## SURFACE PREPARATION

This finish dries to a thin film and must be applied over a smooth system after proper surface preparation and prime to reduce outgassing. The dried film is not thick enough to cover debris, coating defects, or sanding swirls. The product was designed as a gloss option to topcoat metallic floor systems.

### **PREVIOUSLY COATED SURFACES:**

This product is a topcoat, typically applied over an epoxy system. Clean surface to prevent any contaminants from being spread/redistributed to a greater area being prepared. To recoat the existing surface, the surface must be abraded by using an 80/100 grit sandpaper, diamonds, or Diamabrush. Be sure to sand the previous coating until no gloss is visible. Like wood preparation, additional sanding with finer grits will be necessary in order to prevent seeing sanding swirls through the finish. Examples of sanding tools that leave a profile suitable for **Cerafin**: fine SandDollar discs (yellow) and 320 grit sandpaper on a palm sander. Vacuum and scrub or tack the area to remove all dust before topcoating.

## SAFETY AND TECHNICAL

Refer to the SDS sheet before use. Safety precautions must be strictly followed during storage, handling, and use. Personal Protective Equipment (PPE) should be worn at all times. PPE will include (but is not limited to): Safety glasses with side shields, high-quality nitrile gloves, and properly fitted NIOSH approved respirators. To acquire additional information or technical and safety data, please visit: [www.simiron.com](http://www.simiron.com).

## TEMPERATURE

Air	60° - 85°F	16° - 29°C
Surface	60° - 85°F	16° - 29°C
Material	60° - 85°F	16° - 29°C

Higher temperatures will shorten pot-life and working time.  
Floor temperature must be at least 5 degrees over the current dew point.



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## APPLICATION EQUIPMENT

Assemble all required application equipment. Equipment will include (but is not limited to):

- Stir stick
- Microfiber pads and assembly - use a clean pad that is lint free (tape will remove any loose fibers)
- Solvent-resistant pump sprayer without tip

## APPLICATION PROCEDURE

1. Mix material by hand using stir stick provided for 2 - 3 minutes.  
**Do not drill mix.**
2. On a floor tacked to remove all dust, wet the microfiber pad with mixed material and spray or pour a bead 2 - 3 inches wide in front of the pad on the surface to be coated. The amount should be enough to keep pad wet and floor completely covered as the pad moves but not too much to lose material off the edges of the pad.
3. Immediately spread the material by pushing the pad in a straight, smooth, consistent motion. Do not apply pressure to the pad; allow it to glide across the floor.
4. When turning and coming back parallel to the first run/path of applied finish, slightly overlap in order to prevent a dry line between passes.
5. To help prevent visual differences in application be sure to minimize the time between tie-ins.
6. Apply at 535 sq. ft. per gallon for best results.

The finish has a very short work time. Do not over work the material or attempt to rework previously applied finish in order to avoid application defects.

## CLEAN UP AND DISPOSAL

Clean up mixing and application equipment immediately after use. Use acetone or xylene; do not use alcohol. Follow solvent manufacturer's safety instructions. Be sure to follow all local, state and federal regulations when disposing of materials.

## MAINTENANCE

To maintain the appearance and extend the life of the newly sealed surface, it is imperative to have a routine maintenance program. Dirt and debris that is tracked over a finished floor will quickly scratch and dull the surface. Place walk-off mats at entrances. Sweep and mop/scrub floors regularly using soft bristles/pads and a mild cleaner. Some cleaning products and equipment or improper use of these can damage a surface. Remove spills quickly to minimize damage and/or stains. For systems that support parked vehicles or other heavy items on rubber wheels, place a small piece of nonporous material, such as sheet metal or plexiglass between the tires and floor to prevent tire marks. Reapplication may be necessary in heavy traffic areas.

## LIMITATIONS

- ⚠ Do not drill mix.
- ⚠ Do not apply at temperatures and thicknesses not recommended.
- ⚠ Do not apply to surfaces sanded with low-grit sandpaper/screens; the prep scratch pattern will show through.
- ⚠ Do not apply over loose or unsound concrete, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnesite, copper, metal, polyesters, or elastomeric membranes.
- ⚠ Moving joints and shrinkage cracks may reflect through system. Joints that are designed to move may reflect through the finished flooring system if they are not honored.
- ⚠ Tire marking may occur.

## SHELF LIFE AND STORAGE

12 months from date of manufacture when stored indoors in the original unopened container at 60°F - 85°F (16°C - 29°C) in a dry location with humidity below 65%

- ⚠ Do not allow materials to freeze.

## TECHNICAL ASSISTANCE

- ❓ Information is available by calling SIMIRON  
Toll Free: 1.866.515.8775 / +1.248.686.3600

## LIMITED 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. Warranty is void if Simiron products are mixed with or used in conjunction with materials that are substituted for Simiron products. Warranty is nontransferable.



CORPORATE OFFICE:  
Simiron Inc  
3000 Research Drive  
Rochester Hills, MI 48309-3580  
USA  
(248) 686-3600 / (866) 515-8775

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PRODUCT DATA SHEET: 09/05/2025