



Cerafin™ Protective Barrier Coating

Description:

Cerafin™ is a UV resistant, non-yellowing, high-solids, Low VOC, non-sacrificial anti-graffiti, two-component protective clear coat. It is designed to provide excellent adhesion, chemical and abrasion resistance, as well as excellent water resistance and clean-ability. **Cerafin™** is a single coat, multi-application coating that can be used over any previously painted surface such as, Fiber Reinforced Plastic (FRP), drywall, cinder block, metal and EIFS. *Cerafin™ is intended for use on vertical surfaces and not for use on floors.* **Cerafin™** can be used to protect any interior or exterior surface from graffiti, chemicals, abrasion, scuffing, chipping and other harsh environments. **Cerafin™** protects from the Sun's harmful UV rays preventing coated surfaces from fading, chalking or yellowing.

Characteristics:

- Easy to Apply
 - VOC Compliant; Nationwide
 - High Cross-Linking Technology
 - Long Working Time
 - Fast Cure Times
 - Two-component
 - Low Odor
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Features & Benefits:

- Excellent Cleanability
 - Graffiti Resistant
 - Corrosion Resistant
 - Non-Sacrificial
 - UV Resistant
 - Excellent Adhesion
 - Chemically Resistant
 - Excellent Gloss Retention
 - Extremely Resilient
 - Hard Film Forming
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Applications:

- Interior & Exterior Walls
- Drywall
- Cinder Block
- Masonry
- FRP (Fiber Reinforced Plastic)
- EIFS (Exterior Insulation Finishing Systems)
- Metal

Cerafin™ is intended for use on vertical surfaces and not for use on floors.

Recommended Uses:

- Commercial Buildings
- Schools
- Restrooms
- Transit Stations
- Public Areas
- Commercial Kitchens

- New Construction
- Bridge Abutment
- Parks & Recreation Facilities
- Overpasses
- Railcars

Technical Data:

Finish	Gloss
Color	Clear
Components	2
Curing Mechanism	Chemical reaction between components
Volume Solids	80%
Weight Solids	83%
VOC	<50 g/L
(EPA Rule 40 CFR 59)	
Flash Point	219°F (104°C)
Coverage	300-400 sq/ft (28-37m ²) per kit
Dry Film Thickness	3-4 mils (75-100 microns)

Performance Data:

Adhesion	ASTM D-6677	Passes; Rating 8
QUV	4000 Hours	Passes
Abrasion Resistance	ASTM D4060	25 mg loss
	<i>CS17 Wheel, 1000 cycles, 1Kg load</i>	
Gloss Retention	4000 QUV hours	96%
Hardness, Shore D	ASTM 2240	75
Graffiti Resistance	24 hours	Excellent
Graffiti Resistance	4000 QUV hours	Excellent
Graffiti Resistance	ASTM D6578	9.14

Surface Preparation:

Surfaces should be: (1) fully cured prior to application (2) clean & dry and (3) free from dirt, rust, stains, grease, oil, mildew, wax, efflorescence & other contaminants. Surfaces must be fully cured prior to application and in sound condition.

Previously Painted

If previously painted surface is in sound condition, clean surface of all foreign materials. Smooth, hard or glossy surfaces should be dulled by abrading the surface. Any paint that is failing, peeling, cracking, blistering or lifting must be removed to ensure adequate adhesion. Test adhesion by applying coating to a test area and allowing too dry for one week. If adhesion is poor, removal of previous coating may be necessary. For failing, peeling, cracking, blistering, and lifting, prepare surface back to a sound substrate.

Mixing Product:

Pour all of the activator into the base and stir well for three minutes. *Do not reduce product with solvent. Reduction of product can affect film build, appearance, adhesion and other performance properties.* After mixing, product will heat up immediately and then begin to cool off. The increase in temperature will not affect the coating pot-life or work ability

Application Methods:

Cerafin is a single coat product and can be brushed, rolled or sprayed.

Brushing: Use a high-quality synthetic bristle brush.

Rolling: Use a short nap 3/16" shed-resistant roller cover.

Spraying:	Pressure	1800 psi
	Hose	3/8"
	Tip	.013" - .015"
	Filter	60 mesh

Do not apply in direct sunlight

Do not reduce product. Reduction of product can affect film build, appearance, adhesion and other performance properties.

Refer to material safety data sheet before using product. Wear protective gloves, clothing, NIOSH approved respirator and safety glasses.

Wear protective clothing, gloves and safety glasses to avoid direct contact with skin.

Application Data:

Application Temperature Conditions

Air	55-85°F	13-30°C
Surface	55-85°F	13-30°C
Material	55-85°F	13-30°C

Optimal conditions are 55°F (13°C) to 85°F (30°C) and 25% to 75% relative humidity. Do not apply if temperatures and humidity are outside of these conditions.

Pot-Life: Mixed material @ 77°F (25°C) 50% relative humidity has a pot life up to 2 hours. Higher temperatures and humidity can shorten pot-life and working time. After mixing, product will heat up immediately and then begin to cool off. The increase in temperature will not affect the coating pot-life or work ability.

Drying Schedule @ 77°F (25°C) 50% relative humidity

To Touch	4-6 hours
Full Cure	24 hours

Graffiti Removal:

Most graffiti can be removed by cleaning the area with mild detergents or solvents such as IPA, Acetone or Xylene and washing the surface with a 1200-1500-psi pressure washer and a 25° tip.

Clean Up:

Clean tools and spray equipment with lacquer thinner, acetone or xylene.

Allow used paint brushes and roller covers to dry before disposing. Dispose of all hardened or unused material in compliance with all applicable federal, state & local regulations.

Disposal:

Allow mixed product to fully harden before disposal. Dispose all hardened - unused product in accordance with all applicable federal, state & local laws and regulations.

Packaging:

Material is packaged in 96 FL. OZ. (2.84 L) kits. 64 FL. OZ. (1.89 L) Base and 32 FL. OZ. (0.95 L) Activator.

Handling & Storage:

Keep product stored in temperature ranges of 50°F - 85°F (10°C-29°C). Keep away from excessive heat above 95°F (35°C). If contents freeze, allow thawing at room temperature before use.

Shelf Life (Unopened):

12 months from date of manufacture

Safety Precautions:

Refer to Safety Data Sheet (SDS) sheet before use. Safety precautions must be strictly followed during storage, handling and use.

Read the SDS for Additional Health and Safety Information

Warranty:

Simiron warrants this product to be free from defect in the material that affects its performance for a period of 10 years (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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