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

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

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:**

<table>
<thead>
<tr>
<th></th>
<th>Finish</th>
<th>Gloss</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Curing Mechanism</td>
<td>Chemical reaction between components</td>
<td></td>
</tr>
<tr>
<td>Volume Solids</td>
<td>80%</td>
<td></td>
</tr>
<tr>
<td>Weight Solids</td>
<td>83%</td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td>&lt;50 g/L</td>
<td></td>
</tr>
</tbody>
</table>

(For EPA Rule 40 CFR 59)

<table>
<thead>
<tr>
<th></th>
<th>Flash Point</th>
<th>Coverage</th>
<th>Dry Film Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>219°F (104°C)</td>
<td>300-400 sq/ft (28-37m²) per kit</td>
<td>3-4 mils (75-100 microns)</td>
</tr>
</tbody>
</table>

**Performance Data:**

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

**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.*

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**Application Data:**

<table>
<thead>
<tr>
<th></th>
<th>Application Temperature Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>55-85°F 13-30°C</td>
</tr>
<tr>
<td>Surface</td>
<td>55-85°F 13-30°C</td>
</tr>
<tr>
<td>Material</td>
<td>55-85°F 13-30°C</td>
</tr>
</tbody>
</table>

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.*

<table>
<thead>
<tr>
<th></th>
<th>@ 77°F (25°C) 50% relative humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drying Schedule</td>
<td>To Touch 4-6 hours</td>
</tr>
<tr>
<td></td>
<td>Full Cure 24 hours</td>
</tr>
</tbody>
</table>

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**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.

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**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.

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**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.

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**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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(248) 686-3600 / (866) 515-8775
simiron.com

Disclaimer: All information provided by Simiron concerning Simiron products, including but not limited to, any recommendations and advice relating to the application and use of Simiron products, is given in good faith based on Simiron’s current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Simiron’s instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Simiron’s control are such that Simiron assumes no liability for the provision of such information, advice, recommendations or instructions related to its products. The use of Simiron product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).

Simiron reserves the right to change the properties of its products without notice. All sales of Simiron product(s) are subject to its current terms and conditions of sale which are available by calling (866) 515-8775.