

**SELECTION & SPECIFICATION DATA**

<b>Generic Type</b>	Multi-functional, UV stable epoxy coating for wall, ceiling & floor applications
<b>Description</b>	This amine cured epoxy coating provides a very tough seamless coating system for high abuse areas. It is an excellent coating for areas requiring protection against the growth of mold, mildew, fungus and bacteria. The unique hybrid binder in Steri-Coat P provides high film integrity, and good chemical resistance required for prolonged substrate protection.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Contributes toward satisfying credit for low emitting material under LEED 4.1</li> <li>• Meets California Department of Public Health CDPH/EHLB Standard Method Version 1.2 2017. Compliance Certificates Available Upon Request</li> <li>• Meets SCAQMD Rule 1113 for VOC content</li> <li>• Low emitting material</li> <li>• Low installation odor</li> <li>• Good Chemical &amp; Abrasion Resistance</li> <li>• USDA &amp; FDA Compliant</li> <li>• Anti-Microbial Agents are available as an option</li> </ul>
<b>Typical Uses</b>	<ul style="list-style-type: none"> <li>• Clean Rooms</li> <li>• Food &amp; Beverage Processing Facilities</li> <li>• Commercial Kitchens</li> <li>• Warehouses/Storage Areas</li> <li>• Manufacturing &amp; Waste Water Treatment Plants</li> <li>• Maintenance Garages</li> <li>• Pharmaceutical &amp; Research Facilities</li> <li>• Health Care Facilities</li> <li>• Restrooms and Shower Areas</li> <li>• Animal Housing and Research Labs</li> </ul>
<b>Color</b>	<p>Standard colors Color Chart available upon request.</p> <p>Custom Colors Available, consult Dudick for complete information.</p>
<b>Finish</b>	Gloss
<b>Primer</b>	<p>Primer 67, Primer 67LV or others as recommended by Dudick.</p> <p>Other epoxy basecoats may be used based on exposure and environment. Contact a Dudick representative for recommendations.</p>
<b>Dry Film Thickness</b>	<p>6 - 8 mils (152 - 203 microns) per coat</p> <p>For best results, a total dry film thickness of 12 to 16 mils (305-406 microns) is recommended. The best results are achieved with one primer coat and two finish coats.</p>
<b>Solids Content</b>	By Volume 91% +/- 1%
<b>Theoretical Coverage Rate</b>	<p>1460 ft<sup>2</sup>/gal at 1.0 mils (35.8 m<sup>2</sup>/l at 25 microns)</p> <p>243 ft<sup>2</sup>/gal at 6.0 mils (6.0 m<sup>2</sup>/l at 150 microns)</p> <p>182 ft<sup>2</sup>/gal at 8.0 mils (4.5 m<sup>2</sup>/l at 200 microns)</p> <p>Allow for loss in mixing and application.</p>
<b>VOC Values</b>	<b>As Supplied</b> : <10 g/L

# Steri-Coat P

## PRODUCT DATA SHEET



### SELECTION & SPECIFICATION DATA

**Chemical Resistance**

- Dilute Inorganic Acids
- Aliphatic Hydrocarbons
- Sodium Hydroxide
- Salt & Brine Solutions
- Mineral Oils

Please consult Dudick, Inc. for complete chemical resistance information.

**Topcoats**

Topcoats are optional and selection will depend on exposure.  
Contact Dudick for recommendations.

### SUBSTRATES & SURFACE PREPARATION

**Steel**

Metal surfaces must be abrasive blasted to an appropriate finish.  
Heavy non-immersion service (i.e. fumes and spillage): Near white, SSPC SP 10 or NACE #2, minimum 2.0 mil (50 micron) profile.  
Atmospheric service: Commercial SSPC SP 6 or NACE #3, minimum 2.0 mil (50 micron) profile.

**Concrete or CMU**

**Concrete:** Concrete must be prepared mechanically to remove the surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be similar to 80-100 grit sandpaper or the visual standard, CSP-1 from the International Concrete Repair Institute. The prepared surface should have a nominal tensile strength of 200 PSI per ASTM D-4541.  
All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263.  
Additional surface preparation will be required if a 80-100 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.  
Abrasive blasting removes laitance, exposing honeycombs or voids beneath the surface which must be filled with Scratch Coat 300 (Refer to separate product bulletin), or other approved Dudick materials.

**CMU:** All new concrete block must be properly cured before application of the primer. The concrete block must be prepared mechanically to remove the surface laitance.  
Patch all voids with Scratch-Coat 300, or other approved Dudick materials.  
Clean the surface to remove any dirt, dust efflorescence, grease, mildew, oil, wax or other contaminants.

**Drywall & Plaster**

**Gypsum Board:** Allow new drywall finishes to dry before application of primer. Patch all voids with Scratch-Coat 300, or other approved Dudick materials. Clean the surface to remove any dirt, dust, grease, oil, wax, mildew and other contaminants.

**Masonry**

**Plaster:** Allow new plaster to properly cure before application of primer. Patch all voids with Scratch-Coat 300, or other approved Dudick materials. Clean the surface to remove any dirt, dust, oil, grease, mildew, oil, wax, or other contaminants.

**Cement Board:** All new cement board must be properly cured before application of the primer. Patch all voids with Scratch-Coat 300, or other approved Dudick materials. Clean the surface to remove any dirt, dust, grease, mildew, oil, wax, or other contaminants.

## PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Flame Spread ASTM D635	<5 mm/self extinguishing
Fungus Resistance U.S. Mil Std. 810E	No Growth
Specular Gloss Factor ASTM D-523	85-90
Taber Abrasion ASTM D-4060	92 mg
Tensile Bond Strength ASTM D-7234	Cohesive Failure of Concrete

## MIXING & THINNING

**Mixing** | Prior to adding the Component B, mechanically mix the Steri-Coat P Component A separately for 1-2 minutes to disperse any pigments or fillers which have settled. Add the correct amount of Component B and mix until a uniform color is achieved. **DO NOT MIX PARTIAL KITS.**

To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the Pot Life & Curing Schedule.

**Thinning** | Up to 8oz of Carboline Thinner 10.

**Pot Life** | 75 minutes @ 50°F (10°C)  
 50 minutes @ 75°F (24°C)  
 25 minutes @ 90°F (32°C)

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

**Spray Application** | Contact Dudick representative for recommendations for spray applications

**Brush & Roller (General)** | Use a short-nap mohair roller cover with solvent resistant core. For best results, condition roller before application to minimize lint or loose fibers. A high quality solvent resistant brush may be used for hard to reach areas.

## APPLICATION PROCEDURES

**General** | All new or uncoated surfaces should receive one coat of Primer. The finish coat may be applied over the primer that is "tacky". Do not let the primer puddle.

Using a short nap roller, apply evenly to a 6-8 mils (152-203 microns) DFT. Steri-Coat P may also be applied with a serrated squeegee & then backroll.

After the first coat has cured tack free, (approximately 10-12 hours at 75°F/24°C), apply second coat of Steri-Coat P evenly at 6-8 mils (152-203 microns) DFT.

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### APPLICATION CONDITIONS

Condition	Surface	Humidity
Minimum	50°F (10°C)	0%
Maximum	110°F (43°C)	90%

Substrate temperature must be 5°F (3°C) above the Dew Point.

Application of Steri-Coat P in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double priming, shading or evening application may be required. Consult a Dudick representative.

Intended for interior use only.

### CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time	Cure Time
50°F (10°C)	17 Hours	120 Hours	96 Hours
75°F (24°C)	11 Hours	72 Hours	24 Hours
90°F (32°C)	7 Hours	48 Hours	20 Hours

If re-coat times are exceeded, abrade surface prior to recoat.

**Important** - With all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by washing with warm water and detergent.

### TESTING / CERTIFICATION / LISTING

**General**

Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF)\* – Wet ANSI A326.3 of >0.42.

### CLEANUP & SAFETY

**Cleanup** | Use S-10 Cleaning Solvent to clean tools and equipment.

**Safety**

Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.

### PACKAGING, HANDLING & STORAGE

**Packaging** | 1 Gallon Kit or 5 Gallon Kit

6 months @ 50-75°F (10°C-24°C)

**Shelf Life**

When stored in their original, unopened containers. Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.

**Storage**

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

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## **WARRANTY**

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.