



DUDICK, INC.

Corporate Offices
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STERI-COAT P

**Multi Functional,
Pigmented High Build Epoxy Novolac
Coating, For Wall, Ceiling, & Floor
Applications
12-16 mils**

GREEN BUILDING FEATURES

Contributes toward satisfying credit for low emitting material under LEED 4.1

**Meets California Department of Public Health
CDPH/EHLB Standard Method Version 1.2 2017
Compliance Certificates Available Upon Request**

Low emitting material
Low installation odor
Processed and manufactured in Ohio

APPLICATION FEATURES

Good Chemical & Abrasion Resistance
Excellent as a Wall & Ceiling Coating
USDA & FDA Compliant
Anti-Microbial Agents are available as an option

TYPICAL APPLICATIONS

Clean Rooms
Food & Beverage Processing Facilities
Commercial Kitchens
Warehouses/Storage Areas
Manufacturing & Waste Water Treatment Plants
Maintenance Garages
Pharmaceutical & Research Facilities
Health Care Facilities
Restrooms and Shower Areas
Animal Housing and Research Labs
Tank Lining – Temperature limit 120°F, immersion

CHEMICAL RESISTANCE*

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

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

SUBSTRATES

Can be applied to a variety of substrates including those listed below:

Concrete	CMU
Gypsum Board	Cement Board
Metal	

* = Products are not reviewed or certified under the LEED Rating System. LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information on LEED, visit www.usgbc.org/leed.

COLORS: Available in a variety of standard Colors:
Light Gray Beige
Medium Gray Dark Blue
Dark Gray Light Blue
Tan Dark Green
Tile Red Light Green

Custom Colors Available, consult Dudick, Inc. for complete information.

TYPICAL PHYSICAL PROPERTIES

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

PRODUCT DESCRIPTION

This amine cured, two component epoxy novolac coating has been especially formulated for greater chemical and

abrasion resistance. The product provides a very tough seamless coating system for high abuse areas. It also is an excellent coating for areas requiring protection against the growth of mold, mildew, fungus and bacteria.

Steri-Coat P may be applied by brush, roller, spray of squeegee in accordance with the manufacturer's recommended practices.

THE STERI-COAT P SYSTEM

The unique hybrid binder in **Steri-Coat P** provides high film integrity, and excellent chemical resistance required for prolonged substrate protection.

For flooring systems that require a clear topcoat, contact Dudick, Inc.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

THEORETICAL SQUARE FEET PER GALLON**	
Primer	See specified Primer Data Sheets
STERI-COAT P	
1 st Topcoat	200-250 ft ² @ 6-8 mils
2 nd Topcoat	200-250 ft ² @ 6-8 mils

**Quantities shown are for estimating purposes only. Coverages will vary due to porosity of substrate.

APPLICATION INSTRUCTIONS

ENVIRONMENTAL CONDITIONS

Temperature of the concrete substrate must be between 50°F and 110°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above the Dew Point.

SURFACE PREPARATION

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.

The substrate must be checked for moisture prior to product application using Plastic Sheet Test, ASTM D-4263.

Patch all voids with **Scratch Coat 300** (Refer to separate product bulletin), or other approved Dudick materials.

Clean the surface to remove any dirt, dust efflorescence, 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** (Refer to separate product bulletin), or other approved Dudick materials. Clean the surface to remove any dirt, dust, grease, mildew, oil, wax, or other contaminants.

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

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

Metal: Metal surfaces must be abrasive blasted to an appropriate finish.



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Immersion and heavy spillage service: White Metal, SSPC SP 5 or NACE #1, minimum 3.0 mil profile. Heavy

non-immersion service (i.e. fumes and spillage): Near white, SSPC SP 10 or NACE #2, minimum 2.0 mil profile. Atmospheric service: Commercial SSPC SP 6 or NACE #3, minimum 2.0 mil profile.

COATING SYSTEM

For best results, a total dry film thickness of 12 to 16 mils is recommended. The best results are achieved with one primer coat and two finish coats.

PRIMER COAT

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. For additional product information, see the product Data Sheet for specified Dudick Primer.

PRIMING

The following Primers are compatible with **Steri-Coat P: Primer 67, Primer 67LV, Primer 67DPLV, Primer 67DTO & Primer 60.**

STERI-COAT P MIX RATIO (BY VOLUME)

Component A 1 gallon
Component B 48 fl. oz.

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. Using a short nap roller, apply

evenly to a 6-8 mils 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), apply second coat of **Steri-Coat P** evenly at 6-8 mils DFT.

Steri-Coat P Pot Life & Cure Time

Temperature	Pot Life	Cure Time	Recoat* Min. Max.
50°F	75 min.	96 hrs.	16-18 hrs. 120 hrs.
75°F	50 min.	24 hrs.	10-12 hrs. 72 hrs.
90°F	25 min.	20 hrs.	6-8 hrs. 48 hrs.

If re-coat times are exceeded, contact your Dudick, Inc. representative.

Consult Dudick representative for recommendation for spray application.

NOTES

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.

The pot life of **Steri-Coat P** system components will depend upon the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the Pot Life & Cure Time charts on Page 2.

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

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. **Steri-Coat P** system is intended for interior use only.

CLEAN UP

Use **S-10 Cleaning Solvent, MEK or Acetone** to clean tools and equipment. **DO NOT USE LACQUER THINNER.**

SHIPPING

Refer to Material Safety Data Sheets.

STORAGE

Warning: All Dudick products classified by DOT with white, yellow or red labels must not be mixed or stored together as an explosive reaction can occur.

All products should be stored in a cool, dry area, away from open flames, sparks, or other hazards.

When properly stored in their original, unopened containers at 50°F-75°F, **Primers** and **Steri-Coat P** will have a six-month shelf life. Storage in direct sunlight or excessive heat will reduce working time and shelf life.

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products.

Steri-Coat P is intended for application by experienced, professional personnel. Dudick, Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied.

If **Steri-Coat P** materials are to be applied by your own personnel or by a third party contractor, please be sure that they are aware of the following safety precautions:

- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis reactions in some people. Cleanliness of the skin and clothing is critical and must be of paramount concern.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.

- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Steri-Coat P** liquid can be removed with **S-10 Cleaning Solvent, MEK, or Acetone.**
- Keep open flames and sparks away from the area where materials are being mixed and applied.
- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting; call a physician immediately.

NOTE: Dudick, Inc. ("Dudick") warrants all goods of its manufacture to be as represented in its catalogs and that the manufacture of its products by its employees or sub-contractors shall be performed in a workmanlike manner. Dudick's sole obligation under this warranty shall be to replace any material which its examination shall disclose to be defective. Dudick makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Purchaser.

DUDICK, INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, THAT THE GOODS SHALL BE MERCHANTABLE OR THAT THE GOODS ARE FIT FOR ANY PARTICULAR PURPOSE. THE WARRANTY OF REPAIR OR REPLACEMENT SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES ARISING BY LAW OR OTHERWISE; AND DUDICK INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY DUDICK'S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by Dudick and Purchaser.

6/30/2021