

ASTM D635	
Tensile Bond Strength	Cohesive Failure
ASTM D-4541	of Concrete
Fungus Resistance	No Growth
U.S. Mil Std. 810E	

PRODUCT DESCRIPTION

This 100% solids 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 or squeegee in accordance with the manufacturer's recommended practices.

THE STERI-COAT P SYSTEM

Prior to the application of **Steri-Coat P**, a prime coat of Dudick's Primer 67, a moisture-tolerant primer, must be applied. Following the application of the primer, one or two coats of Steri-Coat P may be applied.

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, use **Steri-Coat C**.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

THEORETICAL SQUARE FEET PER GALLON**	
Primer 67	150-200 ft ²
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.



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STERI-COAT P

**100% Solids, Multi Functional,
Pigmented High Build Epoxy Novolac
Coating, For Wall & Ceiling Applications
12-16 mils**

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.

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 Dudick Primer 67 at 3 - 4 mils WFT. 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 Dudick Primer 67.

Mix the pre-measured units of **Component A with Component B**. Prime all concrete surfaces to be coated with **Primer 67** at 3-4 mils WFT.

PRIMER 67 MIX RATIO (BY VOLUME)

Component A 1 gallon
Component B 1 gallon

PRIMER 67 POT LIFE

TEMPERATURE	PRIMER 67
50°F	90 min.
75°F	60 min.
90°F	30 min.

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 5-6 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.**

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

***This is a high solids viscous coating and may require adjustments in spray techniques to achieve the desired finish texture. The following spray equipment has been found suitable.**

Pump Ratio:	40: 1 ratio*
GPM Output:	2.3 gpm
Material Hose:	1/2" I.D. gpm
Tip Size:	.015"-.021"
Output PSI:	3000-4000 psi
Filter Size:	60 mesh
Gun	Grayco Flex Plus

***Anti-stick Fluoropolymer packings are recommended and available from the pump manufacturer.**

Heated plural component spray equipment or thinning will aid in application of Steri-Seal HB – Consult Dudick, Inc. for additional information.

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, **Primer 67** 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.



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- 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,

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3/15/10