



DUDICK, INC.

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STERI-SOFT

**HIGH FOOT TRAFFIC,
 ULTRAVIOLET RESISTANT,
 URETHANE RESILIENT FLOORING
 SYSTEM, 1/8"**

GREEN BUILDING FEATURES

* **Steri-Soft** contributes toward satisfying credit EQ 4.2 under LEED.

- 100% Resilient Flooring
- Low emitting material
- Contains 27% post consumer recycled product
- Processed and manufactured in Ohio
- VOC compliant California Rule 1113, 9/6/13

APPLICATION FEATURES

- Ergonomic
- Outstanding UV Stability
- Acoustic Noise Reduction
- Enhanced Slip Resistance
- Seamless Easy to Maintain Surface
- Anti-Microbial Agents are available as an option
- Excellent Durability and Chemical Resistance



The LEED (Leadership in Energy and Environmental Design) Green Building Rating System is a nationally accepted benchmark for Design, Construction, and Operation of High Performance Green Buildings.

LEED and related logo is a trademark owned by the U.S. Green Building Council and is used by permission.

* 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.

TYPICAL APPLICATIONS

- Clean Rooms
- Offices
- Medical Facilities
- Educational Facilities
- Lobbies
- Hallways
- Dry Laboratories
- Small Animal Vivariums
- Commercial/Institutional Facilities

CHEMICAL RESISTANCE

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

COLORS

Available in standard color patterns. Consult Dudick, Inc. for complete information.

TYPICAL PHYSICAL PROPERTIES		
Hardness	85	ASTM D-2240 Shore A
Water Absorption	0.1 %	ASTM D-570
Impact Resistance	> 160 in. / pound	ASTM D-4226
Tensile Bond Strength	Cohesive Failure of Concrete	ASTM D-4541
Static Load Limit	0.002in./0.05m m	ASTM F-970 125 lb./57 kg.load
Residual Indentation	<1% thickness	ASTM F1914 140lb. /64kg. load
Noise Reduction Coefficient	0.05	ASTM C-423
With Optional Anti-Microbial additives: Fungus Resistance	No Growth	U.S. Mil Std. 810E

SPECIFICATIONS

STERI-SOFT system shall be a 1/8 inch* medium traffic floor that consists of high solids, moisture tolerant primer, urethane resilient bodycoat, and a UV stable sealer coat.

*For thick applications, consult a Dudick representative.

STERI-SOFT is manufactured by Dudick, Inc. and applied in accordance with the manufacturer’s recommendations.

THE STERI-SOFT SYSTEM

Steri-Soft consists of a moisture tolerant primer, “gauge raked” bodycoat and a highly UV stable topcoat. This total system provides a strongly bonded monolithic floor with excellent physical properties. **Steri-Soft** is only intended for interior applications and consists of the following components.

Primer: The prepared concrete surface is primed with **Steri-Soft Primer 87** to provide the “wetting out” required for good bonding. Do not allow primer to puddle. *Allow the Steri-Soft Steri-Soft Primer 87 to cure a minimum of 24 hours before applying Steri-Soft Flake Bodycoat.*

Bodycoat: The seamless, resilient and decorative bodycoat utilizes flexible urethane resin binders to provide a seamless floor that offers ergonomic comfort and acoustical noise reduction.

Sealer: The high solids satin finish sealer provides exceptional UV stability with added abrasion resistance.

Cove: Cove base installation with this material is not recommended. Contact Dudick representative for cove base recommendation.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

APPROXIMATE SQUARE FEET PER GALLON **	
STERI-SOFT PRIMER 87	
Primer	150-200 ft ²
STERI-SOFT	
Bodycoat	12-13 ft ² / gallon @ 1/8”
Sealer 50	400-500 ft ² @ 3-4 mils WFT
Option: Sealer 30	250-300 ft ² @ 6 mils WFT

Coverage rates will ultimately be determined by applied thickness and the degree of broadcast coverage.

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

All quantities are estimated and will be affected by job conditions and workmanship.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Concrete must be prepared mechanically to remove 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 60-80 grit sandpaper or the visual standard, CSP-3 from the International Concrete Repair Institute. The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D-4541.

All concrete substrates must be checked for moisture prior to primer application using the Plastic Sheet Test per ASTM D-4263.

Additional surface preparation will be required if a 60-80 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

Mechanical preparation removes laitance, exposing honeycombs or voids beneath the surface which must be filled with **Scratch Coat 300**. (Refer to separate product bulletin)

ENVIRONMENTAL CONDITIONS

Temperature of the concrete substrate must be between 60°F and 90°F.

Relative humidity must not exceed 75%. Substrate temperature must be 5°F above the Dew Point.

PRIMING

STERI-SOFT PRIMER 87 MIX RATIO (BY VOLUME)

Component A 79 fl.oz.
Component B 49 fl.oz.

STERI-SOFT PRIMER 87 POT LIFE

TEMPERATURE	STERI-SOFT PRIMER 87
50°F	90 min.
75°F	60 min.
90°F	30 min.



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PRIMING

Concrete: Mix the pre-measured units of **Steri-Soft Primer 87 Component A with Component B**. Prime all concrete surfaces to be coated with **Steri-Soft Primer 87** at 3-4 mils WFT. Do not allow the primer to puddle. **Basecoat should be applied only after the Steri-Soft Primer 87 has cured a minimum 24 hours.**

STERI-SOFT BODYCOAT MIX RATIO (BY VOLUME)

***For a unit combine the following: Do not split units**

Component A premeasured
 Component B premeasured

SEALER 50 SATIN FINISH, PIGMENTED MIX RATIO (BY VOLUME)

Component A premeasured
 Component B premeasured

STERI-SOFT POT LIFE AND CURE TIME

STERI-SOFT BODY COAT	
Temperature	Pot Life
60°F	60 min.
75°F	40 min.
90°F	30 min.

RECOAT TIME

	MINIMUM	MAXIMUM
Steri-Soft Primer 87	24 hr. @ 75°F	120 hr.
Body Coat	16 hr.	120 hr.

BODYCOAT

Before beginning application: Curing by-product vapors can slow cure. Assure that there is air movement, exhaust, and fresh make-up air, especially in floor-to-wall and wall-to-wall corners.

Pre-mix **Steri-Soft Bodycoat Component A** resin and **Component B** hardener separately for 3 minutes until uniform.

The **Bodycoat** is most easily blended using a stainless steel propeller, 5" diameter and 1/2" bore. Combine pre-measured **Component A and Component B** and stir for approximately 2-3 minutes, thoroughly scrape the sides and bottom of the container and re-mix for another 30 seconds.

Pour mixed bodycoat directly onto the primed concrete. The mix should be spread over the floor with a Midwest CAM Gauge Rake @ 1/8"- 3/16". Allow **Bodycoat** to cure for **18 hours @ 75°F** before applying sealer. ***Urethane products are very sensitive to minimum re-coat times and temperatures.*** Contact Dudick representative for more information.

SEALER

Before beginning application: Curing by-product vapors can slow cure. Assure that there is air movement, exhaust, and fresh make-up air, especially in floor-to-wall and wall-to-wall corners. This will assure that vapor laden air/environment will not impact curing. Assure that application personnel are equipped with respirators fitted with approved organic vapor cartridges.

Pre-mix **Sealer 50 Component A** resin and **Component B** hardener separately for 3 minutes until uniform. Combine pre-measured **Component A and Component B** and stir for approximately 2-3 minutes. Thoroughly scrape sides and bottom of the container and re-mix for another 30 seconds.

Apply **Sealer 50** using a flat squeegee and back roll with a **high quality 3/16" nap roller**. *If using Sealer 50 with added glass beads, use 5 mil squeegee.*

Apply at a spread rate of 450-500 ft.² per gallon.

NOTES

The pot life of **Steri-Soft** 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 corresponding tables.

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

Application of **Steri-Soft** 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.

CLEAN UP

Use **S-10 Cleaning Solvent** to clean tools and equipment. Acetone and MEK may also be used. **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, the **Steri-Soft Primer 87** will have a 6-month self life. **Steri-Soft** components will have a three-month shelf life. Containers that have been opened will have a shorter 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. The components of the **Steri-Soft Systems** are 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-Soft** is 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. The components of the **Steri-Soft System** 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



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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.

5/22/17