



DUDICK, INC.

Corporate Offices
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STERI-SOFT

**SOLVENT FREE, LIGHT-MEDIUM
TRAFFIC DECORATIVE
RUBBERIZED RESILIENT FLOOR
SYSTEM
3/16" (4.8 mm)**

GREEN BUILDING FEATURES

*** Steri-Soft contributes toward satisfying credit MR 4, 5 and EQ 4.2 under LEED.**

Low emitting material
No volatile organic compounds
Low installation odor
Contains 27% post consumer recycled product
Processed and manufactured in Ohio

APPLICATION FEATURES

Ergonomic
Good UV Stability
Acoustic Noise Reduction
Enhanced Slip Resistance
Seamless Easy to Maintain Surface
Contains Anti-Microbial Agents
Unique Multi Colored Patterns
Excellent Durability and Chemical Resistance
Integral Cove Base (optional)



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.

TYPICAL APPLICATIONS

Pharmaceutical & Research Facilities
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	> than 160 inch PSI
ASTM D-4226	
Volatile Organic Compounds (VOC)	
ASTM D-3960	
Primer 67	0
Steri-Soft	0
Tensile Bond Strength	Cohesive Failure of
ASTM D-4541	Concrete
Fungus Resistance	No Growth
U.S. Mil Std. 810E	
Static Load Limit	0.002in./0.05mm
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	

* = 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.

SPECIFICATIONS

STERI-SOFT system shall be a 3/16" medium traffic decorative floor that consists of 100% solids, moisture

tolerant primer, resilient bodycoat, and a UV stable urethane topcoat.

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, “trowelled / gauge raked” rubberized 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 **Primer 67** to provide the “wetting out” required for good bonding. **Steri-Soft** bodycoat can be applied while the primer is tacky. It is recommended that angular sand be broadcast into the primer to aid in the trowelability of the bodycoat when wet priming is not an option. Do not allow primer to puddle.

Bodycoat: The seamless, resilient and decorative bodycoat utilizes 100% solids flexible resin binders with colored rubberized aggregates to provide a seamless floor that offers ergonomic comfort and acoustical noise reduction.

Grout Coat(s): The Steri-Soft Grout Coat liquid is used to fill any porosity in the bodycoat to provide a smooth seamless surface.

Topcoat: The high solids urethane satin finish seal coat 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 AT 3/16”***	
PRIMER 67	
Primer	150-200 ft ²
STERI-SOFT	
Bodycoat	20 ft ² / unit @ 3/16”
Broadcast Coat	150-200 ft ² @ 8-10 WFT
Acrylic Flakes	1/8 lb. / sq. ft.
1st Grout Coat	150-200 ft ² @ 8-10 WFT
2nd Grout Coat (Optional)	200-250 ft. ² @6-8 WFT
Sealer Coat	250-300 ft ² @ 4-5 mil DFT

Coverage rates will ultimately be determined by applied thickness and the degree to which the body coat is compact during trowelling.

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

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 225 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)



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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.

PRIMING

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.

PRIMING

Concrete: 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. The coating may be applied over primer that is "tacky". Do not allow the primer to puddle.

STERI-SOFT BODYCOAT MIX RATIO (BY VOLUME)

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

Component A premeasured
 Component B premeasured
 Rubber Aggregate premeasured

STERI-SOFT GROUT COAT MIX RATIO (BY VOLUME)

Component A 1 gallon
 Component 50 fl. oz.

STERI-SOFT BROADCAST COAT MIX RATIO (BY VOLUME)

Component A 1 gallon
 Component 50 fl. oz.

STERI-SOFT SEALER COAT SATIN FINISH MIX RATIO (BY VOLUME)

Component A 1 gallon
 Component B 42 fl. oz.

STERI-SOFT POT LIFE AND CURE TIME

STERI-SOFT		
Temperature	Pot Life	Cure Time
50°F	90 min.	24-36 hrs.
75°F	60 min.	18-24 hrs.
90°F	30 min.	16-24 hrs.

BODYCOAT

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 mortar mixer. Prior to adding the rubber aggregate, 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.

Gradually add premeasured rubber aggregate mixing continuously until a uniform mortar is achieved.

Pour mixed mortar directly onto the primed concrete. The mix should be spread over the floor with a hand trowel / gauge rake @ 3/16", back roll with spike roller to bring resin to the surface and fill voids between the rubber aggregate. Allow **Bodycoat** to cure for 24 hours minimum before sanding/grinding and applying grout coat.

SANDING/GRINDING

Sand with rotary disc sander using 80 grit paper to achieve uniform appearance. Thoroughly vacuum to remove all debris prior to grout coat. Contact Dudick rep for more specific tool recommendations.

BROADCAST COAT

Pre-mix **Steri-Soft Broadcast Coat 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 remix for another 30 seconds. Apply **Broadcast Coat** using a flat trowel or squeegee. Broadcast acrylic flake combination into wet resin to a uniform appearance. Allow to cure before applying **Grout Coat**.

GROUT COAT

Pre-mix **Steri-Soft Grout Coat 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 remix for another 30 seconds. Apply **Grout Coat** using a flat trowel or squeegee forcing **Grout Coat** material into any voids, leaving very little material on the flat surface. Allow to cure before applying **Sealer Coat**. A light sand with 80 grit screen is suggested prior to applying the final **Sealer Coat**. Thoroughly vacuum to remove all dust and debris. Two **Grout Coats** may be required.

TOPCOAT

Pre-mix **Steri-Soft Sealer 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 remix for another 30 seconds.

Apply **Steri-Soft Sealer Coat** using a 5 mil notched squeegee and back roll with a high quality 3/16" nap roller.

Apply at a spread rate of 250-300 ft.² per gallon. **Do Not exceed 5 mils WFT.**

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. Over-trowelling may also lead to blisters.

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 **Primer 67 & Steri-Soft** components 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. 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:



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- 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.

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.

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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,**