

SELECTION & SPECIFICATION DATA

Generic Type	100% solids thixotropic epoxy coating
Description	Steri-Cove Gel is an epoxy system designed for installation as integral cove base @ 1/16" to 1/4" thick. For use with Dudick Steri-Flor, Steri-Quartz, Steri-Flake systems, and other systems as recommended by Dudick.
Features	<ul style="list-style-type: none"> • 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 • Meets SCAQMD Rule 1113 for VOC content • Low emitting material • Low VOC's • Low installation odor
Typical Uses	<ul style="list-style-type: none"> • Commercial/Institutional Kitchens • Educational Facilities • Pharmaceutical & Research Facilities • Clean Rooms • Laboratories • Food & Beverage Facilities
Color	For solid colors use Steri-Cove Gel color packs with EA-1 Filler. Steri-Cove Gel color packs are matched to the Dudick Architectural Solid Color chart. Using just the clear resin and pre-blended color quartz allows for a virtually unlimited color options if needed.
Primer	Steri-Prime, Primer 67LV or others as recommended by Dudick.
Coverage Rate	<p>1/8" Thickness (1" radius) - 47 lineal feet at 4" height 1/8" Thickness (1" radius) - 33 lineal feet at 6" height 3/16" Thickness (1" radius) - 40 lineal feet at 4" height 3/16" Thickness (1" radius) - 27 lineal feet at 6" height</p> <p>Coverage estimated for 1 gallon of mixed resin combined with 50 lbs of EA-1 Filler or 25 mesh Color Quartz trowel grade fillers added, yielding approximately 3.25 gallons of mixed mortar.</p>
VOC Values	As Supplied : 45 g/L

SUBSTRATES & SURFACE PREPARATION

Concrete	Concrete must be prepared mechanically to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must 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 minimum tensile strength of 250 PSI per ASTM D4541. 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.
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Steri-Cove Gel

PRODUCT DATA SHEET



MIXING & THINNING

Mixing	Tack Coat & Groat Coat: Mix Part A separately for approximately 1 minute before adding Part B. Add Part B to Part A and mix thoroughly for 2-3 minutes to achieve a uniform color and consistency.
	Trowel Cove: Prior to adding the aggregate, combine Part's A and B, then mechanically mix for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and remix for another 30 seconds to achieve a uniform consistency. Gradually add the aggregate, mixing continuously until a uniform mortar is achieved. Note: Steri-Cove Gel can be used with any of these aggregates: pre-blended color quartz (trowel grade), solid color quartz (trowel grade) or EA-1 Filler.
Ratio	Part A: 85 oz (2.5 liters) Part B: 43 oz (1.27 liters) 50 lbs (22.7 kg) of aggregate
Pot Life	20-25 minutes @ 70°F (21°C) The pot life of 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 PROCEDURES

Application	<p>Concrete must always be primed to aid to reduce the potential for outgassing and to promote adhesion. Do not allow the primer to puddle.</p> <p>Tack Coat: Use a disposable brush to apply a thin coat on the vertical surface as well as the appropriate horizontal area which will be part of the seamless cove base.</p> <p>Bodycoat: Apply the mixed Steri-Cove Gel mortar over the wet tack coat. (Note: If the tack coat has dried before the cove mortar is applied, an additional tack coat must be re-applied.) Place the mixed mortar on the prepared floor against the wall, then smooth with a 1" radius cove trowel, unless otherwise specified. Changing the radius of the cove will change the estimated coverage.</p> <p>Grout Coat: Apply with a disposable brush to excess. Follow with a flat squeegee to remove excess. Allow to cure overnight and repeat (if necessary) for second coat.</p>
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APPLICATION CONDITIONS

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

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

CURING SCHEDULE

Surface Temp.	Touch Dry	Minimum Recoat Time	Maximum Recoat Time
70°F (21°C)	5 Hours	5 Hours	72 Hours

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. Acetone and MEK may also be used. **DO NOT USE LACQUER THINNER.**

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:
Part A - 0.65 gal (1.89 liters)
Part B - 0.35 gal (1.89 liters)
When 1 x 50lb bag of EA-1 Filler or 25 mesh color quartz is added, a 1 gallon kit yields approximately 3.25 mixed gallons
5 Gallon Kit:
Part A - 3.25 gal (9.46 liters)
Part B - 1.75 gal (9.46 liters)
When 5 x 50lbs bags of EA-1 Filler or 25 mesh color quartz are added, a 5 gallon kit yields approximately 16.25 mixed gallons

Shelf Life | 12 months at 50°F-75°F (10°C-24°C)
When properly stored in their original, unopened containers. Storage in direct sunlight or excessive heat will reduce working time and shelf life.

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

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.