

SELECTION & SPECIFICATION DATA

Generic Type	100% solids, self-leveling epoxy floor coating
Description	Steri-Flor UV is a multi-functional epoxy floor coating with increased UV stability compared to conventional epoxies. It provides good resistance to common chemicals and daily traffic and may be used as a base/color coat, receiving coat, or grout coat for decorative broadcast floors.
Features	<ul style="list-style-type: none"> • Contributes toward satisfying credit for low emitting material under LEED 4.1 • Meets SCAQMD Rule 1113 for VOC content • Low viscosity - good wetting properties, approximately 500 cps mixed. • Low VOCs • Low installation odor, for use in occupied areas. • Stain resistance with excellent cleanability • USDA compliant
Typical Uses	<ul style="list-style-type: none"> • Food processing floors • Laboratories • Pharmaceutical plants • Wastewater treatment facilities • Aisleways • Warehouses
Color	Clear May be pigmented by the end user by adding Universal Color Packs. Available colors can be found in the Dudick Flooring Color Chart
Finish	Gloss
Primer	<ul style="list-style-type: none"> • Though Steri-Flor UV may be used without a primer, the use of Steri-Prime under Steri-Flor UV is strongly recommended to mitigate outgassing and promote higher adhesion. • <i>On properly cleaned and prepared, hydrocarbon saturated substrates use of Steri-Prime DTO.</i> • Contact your representative for other recommendations or more information.
Dry Film Thickness	8 - 20 mils (203 - 508 microns) DFT
Solids Content	By Volume 100%
Theoretical Coverage Rate	1604 ft ² /gal at 1.0 mils (39.4 m ² /l at 25 microns) 200 ft ² /gal at 8.0 mils (4.9 m ² /l at 200 microns) 80 ft ² /gal at 20.0 mils (2.0 m ² /l at 500 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 0 g/l
Limitations	This product contains an ultraviolet light inhibitor that allows it to perform better than traditional epoxies when exposed to to direct sunlight, however chalking and fading will occur if installed in a service environment with extended exposure.
Chemical Resistance	<ul style="list-style-type: none"> • Dilute inorganic acids • Dilute alkali solutions • Cleaning & sanitizing solutions • Mineral oils • Salt solutions

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Topcoats	Optional topcoats available depending on exposure, increased UV stability, and durability requirements. Contact your representative for more recommendations.
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SUBSTRATES & SURFACE PREPARATION

Concrete	Concrete: 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. Water dropped on the surface should be readily absorbed. Surface texture should be similar to 60-80 grit sandpaper or in accordance with visual standards CSP 2-3 from ICRI. The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D7234. All concrete substrates must be checked for moisture prior to primer application using the Plastic Sheet test, ASTM D4263. Additional surface preparation will be required if the surface laitance not completely removed with first mechanical preparation, even if the minimum profile has been achieved. If mechanical preparation exposes honeycombs or voids, These can be filled with Scratch-Coat 300. Consult your representative for system recommendations
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MIXING & THINNING

Mixing	Prior to adding Part B, pre-mix Part A. Combine Part A and Part B then stir mechanically for approximately 2-3 minutes to achieve a uniform color and consistency. Pour the Steri-Flor UV mix directly onto the prepared substrate. Universal Color Pack can be added to Steri-Flor UV. Add the Universal Color Pack to Part A and mix prior to adding Part B.
Ratio	2:1
Pot Life	30-40 minutes at 75°F The pot life of Steri-Flor UV system components will depend upon the temperature. To prevent material waste and avoid damage to equipment, do not mix more material then can be used according to the corresponding pot life data.

APPLICATION PROCEDURES

Application	The mixed product should be spread to desired thickness with a flat or serrated squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level. To terminate work, use duct tape to set a straight edge and remove the tape when the topping becomes lightly tacky. Start the next work period butting into this area. Permanent terminating lines should be made into the saw cuts in the concrete.
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APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	60°F (16°C)	50°F (10°C)	60°F (16°C)	0%
Maximum	80°F (27°C)	80°F (27°C)	80°F (27°C)	90%

Substrate temperature must be 5°F above the dew point.

Application of Steri-Flor U 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 with your representative for more information.

CURING SCHEDULE

Surface Temp.	Maximum Recoat Time	Minimum Recoat Time	Cure Time
50°F (10°C)	24 Hours	17 Hours	72 Hours
75°F (24°C)	24 Hours	8 Hours	24 Hours
90°F (32°C)	24 Hours	6 Hours	20 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.
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CLEANUP & SAFETY

Cleanup	Use S-10 Cleaning Solvent, MEK, or Acetone to clean tools and equipment.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal safety precautions. Use adequate ventilation. Keep container closed when not in use.

PACKAGING, HANDLING & STORAGE

Packaging	3 Gallon (11.4 liter) kit Steri-Flor UV Part A 2 gal (7.57 liters) Steri-Flor UV Part B 1 gal (3.79 liters) For colors, 1 Universal Color Pack (White will need 2 color packs added) 15 Gallon (56.8 liter) Kit Steri-Flor UV Part A 2 x 5 gal (18.93 liters) Steri-Flor UV Part B 1 x 5 gal (18.93 liters) For colors, 5 Universal Color Packs (White will need 10 color packs added)
Shelf Life	12 months when stored in their original, unopened containers at 50°F-75°F (10°C-24°C). Storage in direct sunlight or excessive heat will reduce working time and shelf life.
Storage	Store all products in a cool, dry area away from open flames, sparks or other hazards. Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period. Warning: All Dudick products classified by DOT with either 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.