Steri-Coat 200 Satin

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Two-component, water-borne aliphatic urethane wall coating
Description	Steri-Coat 200 offers the abrasion resistance and toughness inherent of urethanes. It also provides excellent resistance to UV discoloration and staining.
Features	• Class A Fire Rating • Meets SCAQMD Rule 1113 for VOC content • Low odor • Low VOC's • Excellent adhesion • Excellent chemical & abrasion resistance • Excellent stain resistance • Anti-Microbial Agents are available as an option • Soap & water clean up • Also available in satin
Typical Uses	• Research Facilities • Laboratories • Food & Beverage Facilities • Hospitals • High Containment Bio-Safety Research Lab (BSL) 1-3
Color	Standard color chart available upon request.
Finish	Satin
Primer	Steri-Prime WB, Steri-Prime, Primer 67 series products, or others as recommended by your representative. Steri-Prime WB, Steri-Prime, Primer 67 series products, or others as recommended by your representative.
Dry Film Thickness	3 - 4 mils (76 - 102 microns) per coat Multiple coats may be required depending on color selection and substrate.
Solids Content	By Volume 50% +/- 2%
Theoretical Coverage Rate	802 ft²/gal at 1.0 mils (19.7 m²/l at 25 microns) 267 ft²/gal at 3.0 mils (6.6 m²/l at 75 microns) 200 ft²/gal at 4.0 mils (4.9 m²/l at 100 microns) Allow for loss in mixing and application.
VOC Values	**As Supplied** : <5 g/l

SUBSTRATES & SURFACE PREPARATION

Concrete or CMU	Concrete must be prepared mechanically to remove surface laitance exposing honeycombs or voids beneath the surface that must be filled with Scratch-Coat 300. 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 minimum 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. **CMU:**CMU surfaces are to be lightly abrasive blasted to clean CMU block and to provide a 60-80 grit sandpaper texture of the mortar joints. Care must be taken not to damage CMU.
Drywall & Plaster	Consult your representative for preparation methods.

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Adhesion, ASTM D-3359	5B over cured epoxy
Chemical Resistance, ASTM D-1308, 24 hour spot test	No effect water, 2% Sulfuric Acid, 6% H2O2, Idophores 2000ppm, Toluene, Xylene, 10% NaOH, 70% ethanol
Flame Rating	Class A
Flame Spread Index	5
QUV Resistance, Accelerated Weathering ASTM D-4324/G53	Gloss 95%+ retention after 1000 hours delta E color change – 0.15 after 1000 hours. No blistering, rusting, checking or cracking
Shore D Hardness, ASTM D-2240	80
Smoke Dev Index	5
Tear Strength ASTM D-624 Die C	450 psi (3.1 MPa)
Tensile Strength ASTM D-638	8500 psi (58.6 MPa)

Consult your representative for further information on chemical resistance.

MIXING & THINNING

Mixing	Mechanically mix the Steri-Coat 200 Component A separately for 1-2 minutes to disperse any pigments or fillers which have settled. Add Component B and mix until a uniform color is achieved. Steri-Coat 200 is provided in pre-measured units. **Do not break units down. DO NOT MIX PARTIAL KITS.**
Thinning	**DO NOT THIN**
Ratio	5:1 by volume
Pot Life	~1hr @ 70°F (21°C)

APPLICATION EQUIPMENT GUIDELINES

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

Spray Application	Contact Dudick representative for recommendations for spray applications.

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Brush & Roller (General)	Use a short-nap mohair roller cover with solvent resistant core. For best results, condition roller before application to minimize lint or loose fibers. A high quality solvent resistant brush may be used for hard to reach areas. **Use Brush application for touch-up or cutting in only.**

APPLICATION CONDITIONS

Condition	Surface	Humidity
Minimum	50°F (10°C)	0%
Maximum	90°F (32°C)	90%

Substrate temperature must be 5ºF (3ºC) above the Dew Point.
Do not apply Steri-Coat 200 in direct sunlight.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry Hard	Final Cure	Maximum Recoat
70°F (21°C)	6 Hours	24 Hours	14 Days	14 Days

Values above are based on 50% relative humidity.
Contact Dudick representative if max recoat window is exceeded.

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	Clean all tools and spray equipment immediately after use with warm water. Acetone may be used as a final rinse.
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

Shelf Life	6 months @ 50°F-75°F (10°C-24°C) Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.
Storage Temperature & Humidity	**Protect from freezing! If frozen, contact Dudick representative.**

WARRANTY

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