Sealer 200SD

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Electrostatic dissipative, water borne aliphatic urethane
Description	Sealer 200SD is a two component, water borne electrostatic, dissipative, aliphatic urethane floor coating that offers the abrasion resistance and toughness inherent of urethanes. It also provides excellent resistance to UV discoloration, impact and staining.
Features	• 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 • User friendly application • Field and shop application • Soap & water clean up • Low odor, low VOC's • Excellent adhesion and chemical & abrasion resistance
Typical Uses	• Electrical • Clean Rooms • Data Processing • Pharmaceuticals • Testing Laboratories
Color	100 Light Grey (0725), 101 Medium Grey (0766), and 102 Dark Grey (F748) All other colors may be available upon request. Consult Dudick, Inc. for color availability.
Finish	Gloss
Primer	Steri-Prime Series To increase thickness, apply Sanitile 555 VOC to desired thickness, then apply 2 coats of Sealer 200SD for the final finish coat. Contact a Dudick representative for other recommendations.
Dry Film Thickness	3 - 4 mils (76 - 102 microns) DFT
Solids Content	By Volume 60%
Theoretical Coverage Rate	962 ft²/gal at 1.0 mils (23.6 m²/l at 25 microns) 321 ft²/gal at 3.0 mils (7.9 m²/l at 75 microns) 241 ft²/gal at 4.0 mils (5.9 m²/l at 100 microns) Allow for loss in mixing and application.
VOC Values	**As Supplied** : <5 g/L
Chemical Resistance	• Water • Solvents • Sodium Hydroxide - 50% • Dilute Organic/Inorganic Acids • Oils • Gasoline • Jet Fuel Resistant to splash and spillage of the above chemicals. Not for use in immersion.

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 be free of curing compounds and form release agents. Surface texture should be similar to 40-60 grit sandpaper or the visual standard, CSP-1 or greater from the International Concrete Repair Institute with pea gravel exposed. Additional surface preparation will be required if 80-100 grit texture with exposed pea gravel is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure. The prepared surface shall have a tensile strength of 250 PSI per ASTM D7234.

All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D4263.

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Adhesion (ASTM D3359)	5B over cured epoxy
Chemical Resistance (ASTM D1308, 24 hour spot test)	No effect water 2% Sulfuric Acid, 6% H2O2, Idophores 2000ppm, Toluene, Xylene, 10% NaOH, 70% ethanol
Shore D Hardness (ASTM D2240)	85
Tear Strength (ASTM D624 Die C)	450 PSI (3.1 MPa)
Tensile Strength (ASTM D638)	8,500 PSI (58.6 MPa)

MIXING & THINNING

Mixing

Mix Part A separately for approximately 3 minutes insuring that the bottom of the pail is thoroughly scraped and material is uniformly mixed before adding Part B. Failure to mix Part A thoroughly can produce out of specification ESD readings of final product.
Add the correct amount of Part B to Part A and mix thoroughly for 2-3 minutes to achieve a uniform color and consistency.

Sealer 200SD is provided in pre-measured units. ***Do not break units down. Do not dilute***

Thinning | DO NOT THIN

Ratio | 3:1 (A:B by volume)

Pot Life | 60 minutes @ 70°F (21°C)

APPLICATION PROCEDURES

Application

Using a 5-7 mil notched squeegee, apply at a rate of 200-275 ft^2 (21-26 m^2) per gallon, then backroll to achieve uniform coverage.
Do not dip and roller apply.

Brush & Roller

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.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	60°F (16°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	80°F (27°C)	90°F (32°C)	90°F (32°C)	70%

Substrate temperature must be 5ºF (3ºC) above the dew point.
Do not apply in direct sunlight.

CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time
50°F (10°C)	12 Hours	10 Days
75°F (24°C)	6 Hours	5 Days
90°F (32°C)	4 Hours	48 Hours

Final Cure: 14 days @ 75°F (24°C)

TESTING / CERTIFICATION / LISTING

General

TYPICAL ELECTRICAL PROPERTIES
ANSI/ESD S20.20
ESD S 7.1 Surface Resistivity (ohms) @ 50% RH and 73°F (23°C)
10 Volts 10^6 > < 10^9
100 Volts 10^6 > < 10^9
ESD STM 97.2 (body voltage generation) (Prostat PFM 711-A with charge plate monitor) < 15 volts @ 50+/-5% RH
To insure surface resistivity properties, the components of Sealer 200SD must be applied within 30 days of product manufacture. Please refer to storage instructions.

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 & detergent. 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

Packaging

1 Gallon Kit
Part A: 0.75 gallon (in 1 gallon can)
Part B: 0.25 gallon (in a 1 gallon can)
—
2 Gallon kit
Part A: 1.5 gallon (in a 2 gallon can)
Part B: 0.5 gallon (in a 1 gallon can)

PACKAGING, HANDLING & STORAGE

Shelf Life	30 days 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	**Protect from freezing!** Sealer 200SD will typically remain stable up to 30 days when stored between 50°F and 75°F (10°C-24°C). **If frozen, contact Dudick representative.** ***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 may occur.
Shipping Weight (Approximate)	1 Gallon Kit - Approx. 13 lbs. (5.9 kg) 2 Gallon Kit - Approx. 22.9 lbs. (10.4 kg)

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.