

SELECTION & SPECIFICATION DATA

Generic Type	High solids, two-component, static dissipative aliphatic polyurethane sealer
Description	A two-component, ASTM Type V, aliphatic polyurethane coating. Sealer 30SD offers the outstanding color stability, resistance to UV degradation, and electrostatic dissipative capability. Toughness, impact resistance, and stain resistance are inherent qualities of this topcoat.
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 • Permanent ESD Stability • Meets SCAQMD Rule 1113 for VOC content • High Solids • Excellent Color Stability • Good Stain Resistance • VOC Compliant
Typical Uses	<ul style="list-style-type: none"> • Clean Rooms • Electronics Manufacturing • Data Processor Rooms • Pharmaceuticals • Testing Labs
Color	Light Grey, Medium Grey, and Dark Grey are standard. Consult a Dudick or Carboline representative for other available colors. ESD additives alter color at the expense of electrical properties
Finish	Gloss Also available in a Satin finish.
Primer	Steri-Prime, Primer 67LV or others as recommended by Dudick. To increase the thickness of this system apply Steri-Flor GP or Polymer Alloy 2000SD at desired mil rate after priming; then apply one or two coats of Sealer 30 SD for the final finish coat. Contact a Dudick representative for other recommendations.
Dry Film Thickness	4 - 6 mils (102 - 152 microns) DFT
Solids Content	By Volume 78%
Theoretical Coverage Rate	1251 ft ² /gal at 1.0 mils (30.7 m ² /l at 25 microns) 313 ft ² /gal at 4.0 mils (7.7 m ² /l at 100 microns) 209 ft ² /gal at 6.0 mils (5.1 m ² /l at 150 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : <20 g/L

Sealer 30SD

PRODUCT DATA SHEET



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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

Refer to the specific primer's Product Data Sheet or System Information Sheet as recommended by your Dudick or Carboline Sales Representative and Technical Service for surface preparation requirements.

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Abrasion, ASTM D-4060, CS-17 Wheel	25 mg
Gloss @ 60°	85-90
Impact Resistance (Direct), ASTM D2794	>160 inch lbs
Impact Resistance (Indirect), ASTM D2794	>160 inch lbs
Pencil Hardness	2H

MIXING & THINNING

Mixing

Mix Part A separately for approximately 1 minute before adding Part B. Add Component B to Component A and mix thoroughly for 2-3 minutes to achieve a uniform color and consistency.

DO NOT MIX PARTIAL KITS.

Thinning

DO NOT THIN

Ratio

2.6:1 (A to B)

Pot Life

90 minutes @ 50°F (10°C)
60 minutes @ 75°F (24°C)
45 minutes @ 90°F (32°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.

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.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	70°F (21°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	110°F (43°C)	110°F (43°C)	70%

Substrate temperature must be 5°F (3°C) above the Dew Point.

Application 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.

Caution: This product is moisture sensitive in the liquid stage and until fully cured. Protect from high humidity, dew and moisture contact until fully cured. Application and/or curing in humidities above maximum, or exposure to moisture from rain or dew may result in a loss of gloss and/or microbubbling of the product.

CURING SCHEDULE

Surface Temp.	Tack Free	Foot Traffic	Light Traffic	Heavy Traffic/ Chemical Spillage	Maximum Recoat Time
75°F (24°C)	4.5 Hours	12 Hours	24 Hours	48 Hours	72 Hours

In order to prevent curing problems, thorough and uniform air movement and/or ventilation must be maintained until the system has fully cured. Refer to cure time listed in product data sheet.

TESTING / CERTIFICATION / LISTING

General	TYPICAL ELECTRICAL PROPERTIES
	ANSI/ESD S20.20 ESD S 7.1 Surface Resistivity (ohms) @ 50% RH and 73°F 10 Volts 106 > < 109 100 Volts 106 > < 109 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 30 SD 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 | Use S-10 Cleaning Solvent to clean tools and equipment.

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: 0.72 gallons in a 3.5 gal pail Part B: 0.28 gallons in a 1 gal can
	2 Gallon Kit: Part A: 1.44 gallons in a 3.5 gal pail Part B: 0.56 gallons in a 1 gal can

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PACKAGING, HANDLING & STORAGE

Shelf Life	Component A & B: 30 Days @ 50°F-75°F (10°C-24°C)
Storage	All products should be stored in a cool, dry area away from open flames, sparks and other hazards. 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. 15 lbs. (6.8 kg) 2 Gallon Kit - Approx. 27.75 lbs. (12.6 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 to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. 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. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.