

SELECTION & SPECIFICATION DATA

Generic Type	High solids, two-component, polyaspartic sealer
Description	A two-component, ASTM Type V, polyaspartic coating that offers the outstanding color stability and resistance to UV degradation known industry wide to be inherent of polyaspartic chemistry. Toughness, impact resistance, and stain resistance are inherent qualities of Sealer 70.
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 • USDA Compliant • High Solids • Excellent Color Stability • Good Stain Resistance • VOC Compliant • Fast Cure
Color	Clear and Standard Colors Standard Color Chart available upon request
Finish	Gloss
Primer	Primer 70 Other basecoats may be used based on exposure and environment. Contact a Dudick representative for recommendations.
Dry Film Thickness	5 - 16 mils (127 - 406 microns) per coat Not to exceed 20 mils (500 microns) per coat.
Typical Uses	<ul style="list-style-type: none"> • Clean Rooms • Warehouses • Floors • Maintenance • Laboratories
Solids Content	By Volume 95%
Theoretical Coverage Rate	1524 ft ² /gal at 1.0 mils (37.4 m ² /l at 25 microns) 305 ft ² /gal at 5.0 mils (7.5 m ² /l at 125 microns) 95 ft ² /gal at 16.0 mils (2.3 m ² /l at 400 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 10 g/L
Chemical Resistance Tables	<ul style="list-style-type: none"> • Water • Oils • Solvents • Gasoline • Sodium Hydroxide - 50% • Jet Fuel • Dilute Organic/Inorganic Acids

Sealer 70

PRODUCT DATA SHEET



SUBSTRATES & SURFACE PREPARATION

Concrete | Refer to System Information Sheet where this product is being used for concrete surface preparation requirements.

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
CS-17 Wheel	36 mg
Die-Tear ASTM D624	500 PSI (3.4 MPa)
Elongation ASTM D 638	110%
Shore D ASTM D2040	70
Tensile ASTM D638	4,100 PSI (28.3 MPa)

MIXING & THINNING

Mixing | Prior to adding Component B, mix Sealer 70 Component A for 1-2 minutes to assure that anything which may have settled is dispersed. Combine Component B and stir mechanically for approximately 1 minute. Take care not to incorporate excess air into the mix.

MIX AND APPLY ONE BATCH AT A TIME. DO NOT MIX HARDENER AND RESIN UNTIL BATCH IS READY FOR IMMEDIATE APPLICATION.

Sealer 70 is exothermic, generating a large amount of heat when initially mixed. A large mass of material can ignite. Immediately after mixing, pour all of the material onto the floor to dissipate the heat.

DO NOT MIX PARTIAL KITS

Pot Life | 20-25 minutes @ 50°F (10°C)
12-18 minutes @ 75°F (24°C)
5-10 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 PROCEDURES

Application | Pour the entire mixed batch onto the floor in a 4 to 6" ribbon. Using a notched squeegee spread the material evenly at the desired thickness. Cross roll the material using a 3/8 inch nap roller immediately after the squeegee to ensure there are no puddles. All rolling should be completed within 5 minutes of mix time. Allow to cure for 2 hours @ 70°F (21°C) / 50% RH.

APPLICATION CONDITIONS

Condition	Surface	Humidity
Minimum	50°F (10°C)	0%
Maximum	110°F (43°C)	70%

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

Application of Sealer 70 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.

CURING SCHEDULE

Surface Temp.	Foot Traffic	Service Final Cure
75°F (24°C)	3 Hours	24 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	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 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

Shelf Life	6 months @ 50°F-75°F (10°C-24°C) When stored in their original, unopened containers. Excessive heat may cause premature gelling, reduce working time and shelf life. Note: Sealer 70 Component B contains aliphatic isocyanates that will react with moisture. Partially used containers should be blanketed with dry nitrogen and tightly sealed if prolonged storage is anticipated.
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.

Sealer 70

PRODUCT DATA SHEET



WARRANTY

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