

SELECTION & SPECIFICATION DATA

Generic Type	High solids, hard-wearing, aliphatic polyurethane sealer
Description	A multi-component, aliphatic polyurethane coating. Sealer 35 offers the outstanding color stability and resistance to UV degradation known industry wide to be inherent of aliphatic urethane chemistry. Toughness, impact resistance, and stain resistance are inherent qualities of this topcoat.
Features	<ul style="list-style-type: none"> • High Solids • Excellent Color Stability • Good Stain Resistance • VOC Compliant • Low Odor • High Wear Filler may be incorporated for increased abrasion resistance
Typical Uses	<ul style="list-style-type: none"> • Clean Rooms • EV Battery Production • Warehouse Floors • Aircraft Hangars • General maintenance
Color	Clear or can be pigmented with Universal Color Packs Color Chart available upon request.
Finish	Gloss When using High Wear Filler the finish will be reduced to a semi-gloss-satin sheen depending on the amount added.
Primer	Applied as a topcoat for Steri-series epoxies. Other epoxy basecoats may be used based on exposure and environment. Contact a Dudick representative for recommendations.
Dry Film Thickness	3 - 4 mils (76 - 102 microns) DFT Do not exceed 6 mils wet.
Solids Content	By Volume 90% +/- 3%
Theoretical Coverage Rate	1444 ft ² /gal at 1.0 mils (35.4 m ² /l at 25 microns) 481 ft ² /gal at 3.0 mils (11.8 m ² /l at 75 microns) 361 ft ² /gal at 4.0 mils (8.9 m ² /l at 100 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 173 g/L

Sealer 35

PRODUCT DATA SHEET



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Chemical Resistance

- n-Methylpyrrolidone(NMP)
- Betadine
- Beer
- Brake Fluid
- Citric Acid
- Iodine
- Water
- Solvents
- Sodium Hydroxide - 50%
- Sulfuric Acid - 20%
- Dilute Organic/Inorganic Acids
- Oils
- Gasoline
- Jet Fuel

SUBSTRATES & SURFACE PREPARATION

Concrete

Refer to the surface preparation guidance provided for the prime/base coat.

When recoating Sealer 35, all sheen must be dulled by abrading prior to application of a subsequent coat.

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Abrasion, ASTM D-4060, CS-17 Wheel	20 mg
Gloss @ 60°	85-90
Pencil Hardness	2H

*without high wear filler

MIXING & THINNING

Mixing

Mix Sealer 35 Part A separately to ensure no settling has occurred before adding Part B. Once combined, mix thoroughly for until homogenous. **Only after mixing Parts A & B can Universal Color Packs (F101) can be added.**

When using High Wear Filler (F150) or fine aluminum oxide, add 20-32 volumetric ounces (2-4 lbs) per 2.5 gallon kit, or 50-80 (5-8 lbs) volumetric ounces per 5 gallon kit.

Thinning

Add up to 5% Thinner 225E (acetone) by volume for increased flow and leveling.

Ratio

4:1 by volume

Pot Life

2 hours @ 75°F (24°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	65°F (18°C)	50°F (10°C)	50°F (10°C)	40%
Maximum	85°F (29°C)	110°F (43°C)	110°F (43°C)	80%

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.

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

CURING SCHEDULE

Surface Temp.	Dry to Recoat	Foot Traffic	Light Traffic	Cure for Service
75°F (24°C)	8 Hours	16 Hours	24 Hours	5 Days

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.

The surface must be abraded before recoating with itself or any other product.

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 | Use S-10 Cleaning Solvent, Thinner #10(xylene), or Thinner 225E(acetone) 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.

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PRODUCT DATA SHEET



PACKAGING, HANDLING & STORAGE

Packaging	<ul style="list-style-type: none">• Gloss 2.5 gallon kit• Part A - 2 gal (7.58 liters)• Part B - 0.5 gal (1.9 liters)• *For colors, 1 Universal Color Pack• Gloss 5 gallon kit• Part A - 4 gal (15.14 liters)• Part B - 1 gal (3.79 liters)• *For colors, 2 Universal Color Pack <p>Include High Wear Filler for high abrasion use. (Optional) High Wear Filler - 8 lb (3.63 kg) can</p>
Shelf Life	<p>6 months @ 50°F-75°F (10°C-24°C)</p> <p>Excessive heat may cause premature gelling, reduce working time and shelf life. <i>Note: Sealer 35 Part B</i> contains aliphatic isocyanates that will react with moisture. Partially used containers should be blanketed with nitrogen and tightly sealed if prolonged storage is anticipated.</p>
Storage	<p>All products should be stored in a cool, dry area away from open flames, sparks and other hazards.</p>

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.