



Dudick inc.

Corporate Offices
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SEALER 50

**TWO COMPONENT, NANO
ENHANCED, HYBRID
FLUOROPOLYMER SEALER WITH
HIGH STAIN AND WEAR
RESISTANCE**

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

Excellent Color Stability
Excellent Stain Resistance
High Gloss and Satin Finish Available

RECOMMENDED APPLICATIONS

Clean Rooms Tarmacs
Warehouse Maintenance
Floors
Airplane Hangars
Hospitals / Operating Rooms

CHEMICAL RESISTANCE

Betadine Bleach Solutions
Oils Solvents
Gasoline Sulfuric Acid -
50%Jet Fuel Skydrol
Sodium Hydroxide - 50% Hydrogen
Peroxide

COLORS: Clear, White and Selected Colors

PHYSICAL PROPERTIES

Solids by Volume	30%
VOC	<50g/l
Drying Time, 4 mils WFT	18 hours
Pencil Hardness	2H (Scratch)
Impact	
Direct	> 160 inch pounds
Indirect	> 160 inch pounds

SPECIFICATIONS

Sealer 50 shall be a two-component, Nano enhanced hybrid, fluoropolymer coating applied over repaired and primed concrete as manufactured by Dudick, Inc. Material can be applied by brush, roller or spray in accordance with the manufacturer's recommended practices.

Sealer 50 offers the outstanding color stability and resistance to UV degradation known industry wide to be inherent of fluoropolymer chemistry. Toughness and resistance to impact and staining are also characteristic of **Sealer 50**. High gloss, satin finish, and textured versions are available in clear and pigment versions.

**ESTIMATING QUANTITIES AND
ORDER BILL OF MATERIAL**

APPROXIMATE SQUARE FEET PER GALLON	
CONCRETE	
PRIMER 67LV	150-200 ft. ²
Sealer 50	
Theoretical Coverage	400-500 ft. ² @ 3-4 mils WFT
Actual Coverage	400-500 ft. ² @ 1.5-2 mils DFT
S-10 Solvent	500 ft. ²

**Quantities shown are for estimating purposes only. Actual field usage may vary.

APPLICATION INSTRUCTION

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 80-100 grit sandpaper or the visual standard, CSP-1 from the International Concrete Repair Institute. The prepared surface should have a nominal 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 after the first mechanical preparation procedure.

Mechanical preparation removes laitance, exposing honeycombs or voids beneath the surface that must be filled with **Scratch Coat 300**. (Refer to separate product bulletin)

APPLICATION SPECIFICATIONS

Substrate temperature for concrete must be between 55°F and 100°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above the Dew Point.

Application of **Sealer 50** in direct sunlight may lead to blistering, pinholes, or wrinkling due to out-gassing of air in the concrete and high substrate temperatures. Double priming, shading or evening application may be required. Consult a Dudick representative.

PRIMER 67LV MIX RATIO (BY VOLUME)

Primer 67LV Component A 73 fl. oz.
 Primer 67LV Component B 55 fl. oz.

PRIMER 67LV POT LIFE

TEMPERATURE	POT LIFE
50°F	> 90 min.
75°F	60-70 min.
90°F	30-40 min.

SEALER 50 MIX RATIOS (BY VOLUME)

(CLEAR, PIGMENTED, GLOSS OR SATIN)

Component A Pre-measured unit
 Component B Pre-measured unit

DO NOT BREAK DOWN UNITS

SEALER 50 POT LIFE

TEMPERATURE	POT LIFE
55°F	>2 hours
75°F	> 60 min.
90°F	> 45 min.



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PRIMING

Primer 67LV

Concrete: Concrete must always be primed to aid in the “wetting out” required for good bonding. Mix **Component A and B** for 2-3 minutes and apply with a brush, roller or spray. Do not allow the primer to puddle. **Primer 67LV** should be tack free before sealer is applied.

Important - With all epoxies after priming and before each additional coat, examine the surface

for amine blush (oily film). If present, remove by washing with warm water and detergent.

SEALER 50

Mix **Sealer 50 Component A** separately for approximately 1 minute before adding **Component B**. Add the pre-measured unit of **Component B** to **Component A** and mix thoroughly for 2-3 minutes to achieve a uniform consistency. Apply at a rate of 400-500 sq. ft./gal. **Sealer 50** cures tack free in 6-7 hours. It will accept foot traffic in 12 hours, light wheel traffic in 24 hours and forklift traffic and chemical exposure in 72 hours. **Allow a minimum of 12 hours before applying additional coats.**

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.

CLEANING

Use **S-10 Cleaning Solvent** to clean tools and equipment.

SHIPPING

Refer to Material Safety Data Sheets.

STORAGE

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.

All products should be stored in a cool, dry area away from open flames, sparks and other hazards. **Primer 67LV** and **Sealer 50** are stable for six months when properly stored at 50°F-75°F.

Excessive heat may cause premature gelling, reduce working time and shelf life.

Note: **Sealer 50 Component B** contains aliphatic isocyanates that will react with moisture. Partially used containers should be blanketed with nitrogen and tightly sealed if prolonged storage is anticipated.

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products. Sealer 50 is intended for application by experienced, professional personnel. Dudick, Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied.

If **Sealer 50** is to be applied by your own personnel or by a third-party contractor, please be sure that they are aware of the following safety precautions:

- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis reactions in some people. Cleanliness of the skin and clothing is critical and must be of paramount concern.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.
- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Sealer 50** liquid can be removed with S-10 Cleaning Solvent, MEK or lacquer thinner.
- Keep open flames and sparks away from the area where materials are being mixed and applied.

- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting; call a physician immediately.

NOTE: Dudick, Inc. ("Dudick") warrants all goods of its manufacture to be as represented in its catalogs and that the manufacture of its products by its employees or sub-contractors shall be performed in a workmanlike manner. Dudick's sole obligation under this warranty shall be to replace any material which its examination shall disclose to be defective. Dudick makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Purchaser. DUDICK, INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, THAT THE GOODS SHALL BE MERCHANTABLE OR THAT THE GOODS ARE FIT FOR ANY PARTICULAR PURPOSE. THE WARRANTY OF REPAIR OR REPLACEMENT SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES ARISING BY LAW OR OTHERWISE; AND DUDICK INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY DUDICK'S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by Dudick and Purchaser.

3/11/2021