

## SEALER 70

**HIGH SOLIDS, TWO COMPONENT,  
POLYASPARTIC SEALER, 5-15 mils**

### FEATURES

High Solids  
Excellent Color Stability  
Good Stain Resistance  
VOC Compliant  
Fast Cure

### RECOMMENDED APPLICATIONS

Clean Rooms	Tarmacs
Warehouse	Maintenance Floors
	Laboratories

### CHEMICAL RESISTANCE

Water	Oils
Solvents	Gasoline
Sodium Hydroxide - 50%	Jet Fuel
Dilute Organic/Inorganic Acids	

**COLORS:** Standard Color Chart available upon request.

### PRODUCT PROPERTIES

Solids by Volume	95%
Drying Time, 6 mils WFT	3-4 hrs.
CS-17 Wheel	36 mg
VOC	20 grams/liter
Shore D ASTM D2040	70
Tensile ASTM D638	4,100 PSI
Elongation ASTM D 638	110%
Die-Tear ASTM D624	500 PSI
Foot Traffic (per coat)	*≈2-4 hrs.
Full Service	*≈24 hrs.
Chemical Resistance	*≈7 days

### SPECIFICATIONS

**Sealer 70** shall be a two-component, ASTM Type V, polyaspartic 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 70** 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. Available only in gloss, clear or pigmented. **(Satin / Matte Not Available)**

### ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

APPROXIMATE SQUARE FEET PER CONCRETE	
PRIMER 70	250-300 ft. <sup>2</sup>
SEALER 70	
Coverage Rate (WFT)	100-300ft. <sup>2</sup> @ 5-15 mils
S-10 Solvent	500 ft. <sup>2</sup>

\*\*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 D7234.

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

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 50°F and 110°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F 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. Consult a Dudick representative.

### PRIMER 70 POT LIFE

TEMPERATURE	POT LIFE
50°F	20-25 min.
75°F	12-18 min.
90°F	5-10 min.

### SEALER 70 MIX RATIO (BY VOLUME)

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

### SEALER 70 POT LIFE

TEMPERATURE	POT LIFE
75°F	12-15 min.
90°F	5-10 min.

### PRIMER 70 / SEALER 70 MIX RATIO (BY VOLUME)

Pre-measured units; DO NOT BREAK DOWN. MIX AND APPLY ONE BATCH AT A TIME – DO NOT MIX HARDENER AND RESIN UNTIL BATCH IS READY FOR IMMEDIATE APPLICATION.

**Concrete** surfaces must be thoroughly dry before the application of the primer. All concrete must be primed.

Prior to adding **Component B**, mix **Primer 70 / Sealer 70 Resin 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 (See last page for mix blade recommendations.)

Pour the entire batch onto the floor in a 4 to 6” ribbon. Using a notched squeegee spread the material evenly at approximately 5 mils WFT for Primer 70 and 10 mils WFT for Sealer 70. 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 / 50% RH).

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

## SEALER 70

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**Primer 70 / 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.

*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 70** and **Sealer 70** 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: Primer 70 / 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.

### SAFETY

**M.S.D.S: Material Safety Data Sheets must always be read before using products.** **Primer 70 / Sealer 70** 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 **Primer 70 / Sealer 70** 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. **Primer 70 / Sealer 70** 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.

The following is information that may be helpful in selection of proper mixing equipment.

Because of the fast cure of **Sealer 70** liquids, long mixing times are counter-productive. This style mixing blade (pictured below) will help reduce the required mixing time while providing adequate mixing.

This style blade is available from many hardware and home supply stores.

The following is a link showing a quick (1 min) video demonstration.

<http://www.jifflemixer.com/index.php?category=media&id=videos>

Model 121 SS (Stainless Steel) is best recommendation.



12/18/18