



**Dudick inc.**

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**PRIMER 70**

**HIGH SOLIDS, TWO COMPONENT,  
POLYASPARTIC PRIMER, 5-7 mils**

**FEATURES**

High Solids  
VOC Compliant  
Fast Cure  
Low Odor

**RECOMMENDED APPLICATIONS**

Clean Rooms                      Tarmacs  
Warehouse                        Maintenance Floors  
Laboratories

**PHYSICAL PROPERTIES**

Solids by Volume                      95%  
Drying Time, 6 mils WFT            3-4 hours  
VOC                                        20 grams/liter  
Shore D, ASTM D -2040              65  
Tensile, ASTM DD-638                3900 psi  
Elongation, ASTM D-638              110%

**SPECIFICATIONS**

**Primer 70** shall be a two-component, ASTM Type V, polyaspartic primer applied over repaired and /or prepared concrete. Material can be applied by brush, roller or spray in accordance with the manufacturer's recommended practices.

**ESTIMATING QUANTITIES AND  
ORDER BILL OF MATERIAL**

APPROXIMATE SQUARE FEET PER GALLON	
Primer 70	
Coverage Rate (WFT)	230-300ft. <sup>2</sup> @ 5-7 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 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 50°F and 110°F.

Relative humidity must not exceed 80%.

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

Application of **Primer 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 MIX RATIO (BY VOLUME)**

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

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.

#### **PRIMER 70 POT LIFE**

<b>TEMPERATURE</b>	<b>POT LIFE</b>
75°F	12-15 min.
90°F	5-10 min.

#### **PRIMING**

##### **PRIMER 70**

Mix **Primer 70 Component A** separately for approximately 1 minute before adding **Component B**. Add the correct amount of **Component B** to **Component A** and mix thoroughly for 2 – 3 minutes to achieve a uniform color and consistency. (See last page for mix blade recommendations). **Primer 70** cures tack free in 4 – 5 hours. It will accept subsequent coats at that time.

**Primer 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.**

#### **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** is 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 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** 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** 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:



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- 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** 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 MERCHANTABILITY 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 Primer 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.jiffmixer.com/index.php?category=media&id=videos>

Model 121 SS (Stainless Steel) is best recommendation.



10/31/17