



**Dudick inc.**

Corporate Offices  
1818 Miller Parkway  
Streetsboro, OH 44241  
330-562-1970  
330-562-7638 FAX  
www.dudick.com

**PRIMER 67DTO**

**100% SOLIDS, MOISTURE TOLERANT  
EPOXY PRIMER FOR CONCRETE  
CONTAMINATED WITH VEGETABLE  
AND PETROLEUM OILS, 4-6 MILS**

**FEATURES**

Meets all VOC Requirements  
Low Odor  
Bonds to Oil Contaminated Concrete

**RECOMMENDED APPLICATIONS**

Concrete Substrates  
Primer for Epoxy and Urethane Systems

**PHYSICAL PROPERTIES**

Tensile Strength ASTM C-307	1,400 - 2,200 PSI
Tensile Elongation ASTM C-307	10-15 %
Adhesion to Concrete ASTM D-4541	Cohesive Failure of Concrete

**SPECIFICATIONS**

**Primer 67DTO** shall be 4-6 mils thick, 100% solids, epoxy primer cured with a polyamine as manufactured by Dudick, Inc. Material shall be brush, or roller applied in accordance with the manufacturer's recommended practices.

**PRIMER 67DTO**

**Primer 67DTO** is a two component epoxy primer designed to enhance the bond of all Dudick epoxy and urethane coatings, linings and flooring products to concrete contaminated with various types of vegetable and petroleum oils.

**ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL**

APPROXIMATE SQUARE FEET PER GALLON	
	CONCRETE
Primer 67 DTO	150 – 200 ft. <sup>2</sup>

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

**APPLICATION INSTRUCTIONS**

**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 40-60 grit sandpaper or the visual standard, CSP-5 from the International concrete Repair Institute **with pea gravel exposed**. The prepared surface should have a nominal tensile strength of 250 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 40-60-grit texture **with exposed pea gravel** is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

Mechanical preparation removes laitance, exposing honeycombs or voids beneath the surface which 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.

### PRIMER 67DTO MIX RATIO (BY VOLUME)

Component A 1 gallon  
Component B 72 fl. oz.

### PRIMING

**Concrete:** Mix the pre-measured units of **Component A with Component B** for 2-3 minutes. **Allow 5-10 minutes induction time.** Prime all concrete surfaces with the mixed material at 4-6 mils, WFT using a brush or roller being sure to “work” the primer into the concrete substrate. Do not allow the primer to puddle.

**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.

### Cure Cycle for Primer 67DTO

Temperature	Minimum Recoat Time	Maximum Recoat Time
50°F	14-16 hrs.	72 hrs.
75°F	8-10 hrs.	48 hrs.
90°F	4-6 hrs.	24 hrs.

Application of **Primer 67DTO** 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.

To optimize intercoat adhesion, we recommend application of the overlay when the primer is “tacky”. If this is not possible, the above recoat times must be observed. Exposure of the primer to direct sunlight will considerably shorten the recoat times. If recommended recoat times are exceeded, consult a Dudick Representative; sanding or abrasive blasting may be required before the coating, lining or floor topping can be applied.

Pot life of the mixed **Primer 67DTO** will depend on the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the following table:

### PRIMER 67DTO POT LIFE

TEMPERATURE	POT LIFE
50°F	90 min
75°F	40 min.
90°F	25 min.

At 75°F the pot life and thin film cure of **Primer 67DTO** can be decreased by the addition of Accelerator #1 as follows:

Oz./Accelerator #1 per mixed gal. Primer 67DTO	Pot Life	Thin Film Cure
2	20 min.	6 hrs.
4	15 min.	5 hrs.
7	10 min.	3.5 hrs.

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

### 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 can occur. All products should be stored in a cool, dry area away from open flames, sparks or other hazards.

When properly stored in their original, unopened containers at 50°F-75°F **Primer 67DTO** components will have a one-year shelf life. Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.

### SAFETY



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**M.S.D.S: Material Safety Data Sheets must always be read before using products. Primer 67DTO** 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 67DTO** 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 67DTO** 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.

4/7/08

