



Corporate Offices  
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**BLOCK FILLER  
 TROWEL/SQUEEGEE OR ROLLER APPLIED  
 EPOXY MATERIAL FOR CONCRETE**

**FEATURES**

Vertical and Overhead Applications  
 User Friendly  
 Low Odor  
 Meets all VOC Requirements

**RECOMMENDED APPLICATIONS**

Concrete Substrates

**PHYSICAL PROPERTIES**

Adhesion to Concrete ASTM D-4541	Cohesive Failure of Concrete 2000 PSI
Compressive Strength ASTM C-579	

**SPECIFICATIONS**

**Block Filler** shall be an epoxy based material for filling surface defects and bugholes in concrete substrates as manufactured by Dudick, Inc. Material shall be trowel/squeegee or roller applied in accordance with the manufacturer's recommended practices.

**THE BLOCK FILLER SYSTEM**

**Block Filler** uses a moisture tolerant primer, epoxy resin and a unique, inert mineral filler to achieve a smooth non-slumping fill material.

The system is formulated to improve the integrity and continuity of a prepared concrete substrate, prior to the application of a Dudick coating or lining system.

**ESTIMATING QUANTITIES AND ORDER  
 BILL OF MATERIAL**

**APPROXIMATE SQUARE FEET  
 PER GALLON**

	CONCRETE
Primer 67	150-200 ft. <sup>2</sup>
Block Filler	125-150 ft. <sup>2</sup>
S-10 Solvent	500 ft. <sup>2</sup>

\*\*Quantities shown are for estimating purposes only. Actual material requirements can be more accurately determined after abrasive blasting and examination of the surface profile.

**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 is not achieved and the surface laitance not completely removed **to expose pea gravel** after a single application of acid or with the first mechanical preparation procedure.

## 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 67 MIX RATIO (BY VOLUME)

Component A                    1 gallon  
Component B                    1 gallon

## BLOCK FILLER MIX RATIO (BY VOLUME)

Component A                    1 gallon  
Component B                    30 fl. oz.

The Pot Life of the mixed material will depend on the temperature. To avoid material waste, do not mix more than can be used according to the following table:

TEMPERATURE	POT LIFE
	<b>Primer 67/ Block Filler</b>
50°F	50 min.
75°F	20 min.
90°F	10 min.

## PRIMER 67

Mix the pre-measured units of **Component A with Component B** for 1-2 minutes. Prime all concrete surfaces at 3-4 mils WFT using a brush, spray, or roller. The **Block Filler** may be applied over tacky primer. 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.

## BLOCK FILLER

Mix the pre-measured units of **Component A and Component B** for approximately 2-3 minutes. The **Component A** is white in color and **Component B** is black. Mix until a uniform color is achieved. No color streaks should be present.

Though the **Block Filler** is a trowel/squeegee or roller applied material, it is not intended to be utilized as a surface “coating”. The compound should be spread

firmly, forcing the material into deep voids and pinholes. Use the trowel blade to scrape excess material from flat, void-free surfaces. The consistency of the mortar provides excellent non-slumping characteristics for vertical or overhead use. This normally allows completion of the surface preparation following only one application.

Allow the **Block Filler** to cure until firm before proceeding with the specified basecoat and topcoat. Excessive trowel marks and/or rough areas should be sanded smooth.

Application of **Block Filler** 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.

TEMPERATURE	RECOAT TIME	
	MIN	MAX
50°F	8 hrs.	72 hrs.
75°F	4 hrs.	48 hrs.
90°F	2 hrs.	24 hrs.

If these recoat times are exceeded, consult a Dudick representative; sanding or abrasive blasting may be required before the next coat. Recoat times are dramatically reduced when coating is exposed to direct sunlight.

## 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 containers, **Primer 67** and **Block Filler** have a six-month shelf life. Storage in direct sunlight or excessive heat will cause premature gelling and reduce working time.



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## SAFETY

**M.S.D.S. : Material Safety Data Sheets must always be read before using products.** Block Filler 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 **Block Filler** 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. **Block Filler** components can be removed with S-10 Cleaning Solvent, MEK or lacquer thinner.
- Keep open flames and sparks away from the area where coatings 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.

4/22/10