



DUDICK, INC.

Corporate Offices
1818 Miller Parkway
Streetsboro, OH 44241
330-562-1970
800-322-1970
330-562-7638 FAX
www.dudick.com

PRIMER 47

**100% REACTIVE, ACRYLIC PRIMER
FOR CONCRETE, 5-7 MILS**

RECOMMENDED APPLICATIONS

Concrete Substrates
Cold Temperature Applications
Primer for Acrylic Systems

PHYSICAL PROPERTIES

VOC 0 g/l
ASTM D-3960

SPECIFICATIONS

Primer 47 shall be 5-7 mils thick, 100% reactive MMA based resin cured with a peroxide catalyst as manufactured by Dudick, Inc. Material shall be brush or roller applied in accordance with the manufacturer’s recommended practices.

PRIMER 47

Primer 47 is a low viscosity, 100% reactive MMA based primer designed to enhance the adhesion to concrete of Dudick’s **Protecto-Crete 400** systems.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

SQUARE FEET PER GALLON	
	CONCRETE
Theoretical 5-7 mils	200-300 ft. ²

**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 -20°F and 110°F.

Relative humidity must not exceed 90%.

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

PRIMING

Concrete: Concrete must always be primed to aid in the “wetting out” required for good bonding. Mix the pre-measured **Primer 47 Component A** with the correct amount of **MH-1 Hardener** until the powder is visibly completely dissolved and apply with a roller to 12-15 mils wet film thickness.

PRIMER 47 MIX RATIO (BY VOLUME)

Component A 1 gallon
Component B 4 fl. Oz.

Pot life of the **Primer 47** is 20-25 minutes using the correct Hardener ratio.

Application of **Primer 47** 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.

Warning:

The mixed Primer 47 components are exothermic; that is, the chemical reactions which occur during the curing process generate large amounts of heat. A large mass of material could generate enough heat to spontaneously ignite. Do not mix more than 2 gallons of material at a time. Immediately pour all of the mixed material onto the floor to help dissipate the exothermic heat.

Primer 47 is extremely fast setting. Floor areas where this material is to be applied must be completely prepared and ready to receive the material before it is mixed.

To aid in the complete cure of the primer and topping, ventilation in the work area must be sufficient to move vapors generated during cure.

CLEANING

Use **S-10 Cleaning Solvent** to clean tools and equipment. **DO NOT USE ACETONE.**

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, **Primer 47** components will have a six-month shelf life. Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products. Primer 47 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 47** 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, flush the skin with flowing water. **Primer 47** can be removed with S-10 Cleaning Solvent, MEK, or lacquer thinner. **DO NOT USE ACETONE. ACETONE FORMS A POTENTIALLY EXPLOSIVE MIXTURE WITH PEROXIDES.**



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- 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.

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.

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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