



Corporate Offices
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PRIMER 60

**GENERAL PURPOSE,
 MOISTURE TOLERANT
 EPOXY PRIMER FOR CONCRETE
 3-4 MILS (0.1 mm)**

FEATURES

Moisture Tolerant
 Meets most VOC Requirements
 Low Odor
 User Friendly

RECOMMENDED APPLICATIONS

Various Substrates
 Concrete, Steel, Cement Board & Gypsum Board*
 Primer for Epoxy and Urethane Systems

PHYSICAL PROPERTIES

Tensile Strength ASTM C-307	2,000 - 2,500 PSI
Tensile Elongation ASTM C-307	≈5 %
Adhesion to Concrete ASTM D-7234	Cohesive Failure of concrete

SPECIFICATIONS

Primer 60 shall be 3-4 mils thick, general purpose epoxy cured with an amine hardener as manufactured by Dudick Inc. **Primer 60** shall be brush, roller or spray applied in accordance with the manufacturer's recommended practices.

PRIMER 60

Primer 60 Concrete must always be primed to aid in the "wetting out" required for good adhesion.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

APPROXIMATE SQUARE FEET PER GALLON**	
	CONCRETE
Primer 60	150-200 ft. ²

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

*When coating gypsum board consult Dudick, Inc. first. Testing may be required.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Concrete must be prepared mechanically to remove surface laitance. Oil, grease or other containment must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be similar to 30-40 grit sandpaper or the visual standard, CSP-5 from the International Concrete Repair Institute. The prepared surface should have a minimum tensile strength of 250 PSI per ASTM D-4541.

Additional surface preparation will be required if a 30-40 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

All concrete substrates must be checked for moisture prior to primer application using the Plastic Sheet Test per ASTM-4263.

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 Dew Point.

PRIMER 60 MIX RATIO (BY VOLUME)

Primer 60	Component A	84 oz.
Primer 60	Component B	44 oz.

The pot life of the mixed **Primer 60** 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 60 POT LIFE

TEMPERATURE	PRIMER 60 POT LIFE
50°F	90 min.
75°F	60 min.
90°F	30 min.

At 75°F the pot life and thin film cure of **Primer 60** can be decreased by the addition of Accelerator #3 as follows:

Ozs./Accelerator #3 per mixed gallon Primer 60	Pot Life	Thin Film Cure
3-4	36 min.	4 hrs.
6-7	15 min.	2 hrs.

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

Consult Dudick for recoat window when using any accelerators due to situations that may greatly reduce recoat window.

PRIMING

Concrete: Mix the pre-measured units of **Primer 60 Component A with Component B**. Prime all concrete surfaces to be coated with **Primer 60** at 3-4 mils. The basecoat may be applied over primer that is “**tacky**” in certain situations. Consult Dudick first. 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 60:

Temperature	Minimum Recoat Time	Maximum Recoat Time
50°F	12 hrs.	8 Days
75°F	6-8 hrs.	5 Days
90°F	4-5 hrs.	3 Days

Application of **Primer 60** 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 basecoat while the **Primer 60** 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.

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 stored in their original, unopened containers, at 50°F-75°F the following shelf life periods will apply: **Primer 60** 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 60** 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 materials are 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.



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- 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 60** liquids 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.

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02/23/2017

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