



# DYCO WATERBORNE EPOXY BONDING PRIMER

## TECHNICAL DATA SHEET



### TECHNICAL DATA:

Vehicle Type	Waterborne Epoxy Ester
Finish/Sheen	Low Sheen
Available Colors	DYCO9040 Clear
Tinting	Do not tint
Solids by Weight	29.28%
Solids by Volume	24.56%
Viscosity	75-82 KU
Flash Point	145°F (63°C)
Weight per Gallon	8.64 lbs.
Shelf Life	24 months unopened
Coverage	200-400 sq.ft. per gallon @4-8 mils wet
(Actual coverage rate may vary depending on substrate and application method)	
Surface and Material Temperature During Application	Min: 50°F (10°C) Max: 90°F (32°C)
Drying Time, at 77°F (25°C), 50% RH	To Touch: 2-3 hours To Recoat: 8-12 hours
Low temperature, high humidity, thick films, rain, dew, or poor ventilation will increase these dry times, allow more drying time.	
Thinner	Do not thin
Clean-up	Soap and water
Storage Temperature	Min: 40°F (4.4°C) Max: 100°F (38°C)

### DESCRIPTION:

**DYCO BONDING PRIMER** is an clear, interior & exterior waterborne epoxy fortified bonding primer designed to penetrate, fortify, and prepare porous / non-porous, bare, previously painted concrete and wood surfaces and has exceptional adhesion to a wide variety of surfaces that usually present difficult adhesion problems. This product is an excellent bonding coat prior to applying a water-based concrete solid stain or paint.

### RECOMMENDED USES:

Interior & Exterior • Concrete • Masonry • Plaster • Stucco • New or Previously Painted Surfaces • Wood • Drywall • Galvanized Metal • Aluminum • Glazed Tile • Fiberglass • Most Plastics • Driveway • Walkway • Patio • Pool Deck

### FEATURES/BENEFITS:

Superior Adhesion to Bare Concrete • For Porous or Non-Porous Surfaces • For Vertical or Horizontal Surfaces • Resistant to Peeling, Cracking, and Blistering • Fade Resistant • Durable • Fortifies and Reinforces • Excellent Alkali Resistance • Easy Soap & Water Clean Up

### NOTES:

- Allow new exterior concrete to cure a minimum of 30 days and a minimum of 45 days for new interior concrete before application. Concrete must have a pH of 10 or less.
- DYCO BONDING PRIMER must be topcoated within 5 days.
- Make sure the surface is 100% dry before coating. Conduct a moisture test on masonry substrates before coating.
- Do not apply when surface, material or ambient temperature is below 50°F (10°C) or above 90°F (32.2°C).
- When possible, avoid painting in direct sunlight during the hottest part of the day.
- Do not apply if rain is prevalent or expected within 48 hours.
- Not intended for immersion service or continuous water contact. Not for below grade applications.
- Not recommended for use over polyethylene or polypropylene.
- DYCO BONDING PRIMER is not intended to be a stain blocking or rust inhibitor. Consult your paint specialist for appropriate primers for these situations.
- Do not freeze. Do not use in drinking water or food systems.

### GENERAL SURFACE PREPARATION:

All surface areas to be painted should be in sound condition, clean, dry, and free of all surface contaminants such as dirt, grease, oils, dust, waxes, mildew, etc. Do not use solvents that leave an oily residue like mineral spirits to clean. Clean surfaces with a cleaner degreaser solution and a stiff bristle brush. If mildew is present, treat with a mildew remover. Rinse with clean water and allow to dry over several warm, dry days before application.

### PREPARING NEW UNCOATED CONCRETE SURFACES:

Allow new exterior concrete to cure a minimum of 30 days and a minimum of 45 days for new interior concrete before application. Concrete surfaces must be porous and able to absorb water droplets quickly. Steel troweled, hard, smooth bare concrete must be mechanically abraded, or acid etched prior to coating. New or previously uncoated surfaces must be cleaned and etched as directed before coating. Cleaning - Remove all foreign contaminants, i.e., oils, grease, stains, chemical residue, etc, with a heavy-duty cleaner / degreaser such as TSP. Scrub into the concrete, let the cleaner stand 5-10 minutes before rinsing. Do not allow the cleaning mixture to dry before cleansing away with water. If cleaning mixture is allowed to dry on surface it will leave a residue that can prevent adhesion, repeat until all embedded contaminants are removed. All mildew, mold, algae, fungi affected areas must be treated with an EPA registered remover, following manufacturer's instructions for use. Etching - After cleaning, acid etch with Muriatic Acid. This does not clean the concrete; it only opens the surface to obtain proper adhesion. Follow the muriatic acid manufacturer's instructions for proper mix ratio, application, dwell time, and

VOC: <320 g/L

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### PERSONAL PROTECTIVE EQUIPMENT



EYEWEAR



PROTECTIVE CLOTHING



GLOVES



BRUSH



ROLLER



SPRAYER

### APPLICATION TOOLS:

Roller: 3/8" - 1/2" nap, synthetic.

Brush: Nylon, Nylon/Polyester.

Sprayer: Airless unit with a minimum of 2000 psi of pressure, with a 0.015"-0.017" tip.

neutralizing process. Do not allow acid mixture to dry. Flush completely with water and allow to dry. If a residual powder remains that can be scraped with a knife, repeat etching and rinsing process. Properly prepared bare concrete should feel like 100-120 grit sandpaper. Additional abrasion or etching may be required to achieve proper profile. Allow the surfaces to dry out over several warm, dry days before applying DYCO BONDING PRIMER. Prepared concrete must have a pH of 10 or less.

### PREPARING PREVIOUSLY COATED SURFACES:

Existing loose, scaling, chalking, peeling, or deteriorated coatings must be removed by scraping, sanding, mechanical abrasion, or combination thereof. DYCO BONDING PRIMER will not give maximum adhesion if applied over old paint which gives indication of future chipping or peeling. It is recommended for existing hard and or glossy coatings that are well adhered and in sound condition to follow proper surface preparation and be sanded to create a dull sheen profile to maximize adhesion properties. Vacuum and or wash surface to remove dust and residue from sanding. Do not acid etch previously coated surfaces. All mildew, mold, algae, fungi affected areas must be treated with an EPA registered remover, following manufacturer's instructions for use. Allow surfaces to thoroughly dry out over several warm, dry days before applying DYCO BONDING PRIMER. Repair holes and cracks with an appropriate patching material, following manufacturer's directions for use and top coating. **WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### MOISTURE TESTING:

It is highly recommended to conduct a moisture test of the surface after preparing and allowed to thoroughly dry out. Conduct this test in several areas and under the same weather conditions as when the DYCO BONDING PRIMER is going to be applied. Tape an 18"x18" piece of polyurethane plastic to several different areas directly against the concrete. Apply tape to all four (4) sides of the plastic and allow the plastic to remain in place for 24 hours. If water has condensed on the underside of the plastic within 24 hours, the substrate is evaporating moisture at a rate that is not acceptable to apply the stain. Wait several more days and conduct the test again. If moisture is detected again, it is recommended to contact a professional to determine the source of and correct the moisture intrusion.

### APPLICATION:

MAKE SURE THE SURFACE IS 100% DRY. This is critical. Water trapped under the paint film will eventually result in blistering as vapors try to escape. Do not apply when surface, material and ambient temperature is below 50°F (10°C) or above 90°F (32.2°C). When possible, avoid painting in direct sunlight during the hottest part of the day. Do not apply if rain is prevalent or expected within 48 hours. Mix DYCO BONDING PRIMER thoroughly to a uniform consistency and color before use. Apply as received in package, do not thin. Apply evenly with a roller, brush, or airless sprayer. When brushing, rolling, or spraying, it is important to maintain a wet edge during application. When spraying, you must back-roll to push the coating into the surface pores, ensuring an even coat application and achieving proper adhesion.

### PRECAUTIONS:

**WARNING!** Combustible liquid and vapor. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

**PRECAUTION:** Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Avoid breathing mist/vapors/spray. Wash all exposed external body areas thoroughly after handling.

**KEEP OUT OF REACH OF CHILDREN.**

**FIRST AID:** Contains glycol ether. If exposed or concerned get medical advice. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **IF ON SKIN:** Wash with plenty of soap and water. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use alcohol resistant foam or normal protein foam to extinguish. Take off contaminated clothing and wash it before reuse. Store locked up. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

**DISPOSAL:** Dispose of contents/container to authorized hazardous or special waste collection point and in accordance with applicable local/national/regional/international regulations

SEE SAFETY DATA SHEET.

Visit [Dycopaints.com](http://Dycopaints.com) for additional products.



WITH GLOBALLY SOURCED MATERIALS

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