



MONOBOND®



MONOPOLE INC.
Manufacturer of
U.S. SPECIALTY COATINGS

MONOBOND Primer/Sealer/Bonder is a water base, quick drying urethane-modified acrylic developed to provide exceptional adhesion and hardness to difficult-to-paint surfaces such as:

- Glossy Tiles •Porcelain •Formica
- Fiberglass •Glazed Tiles •Glass
- Plastics •Wood •Aged Alkyd
- Old Concrete •Kynar •Metal (non-ferrous)

MONOBOND can be used for vertical or horizontal, interior and exterior applications. It can be top coated with acrylic/latex, oil-based alkyds, epoxies, urethanes, etc.

ADVANTAGES:

- Exceptional Adhesion
- Tintable
- Available in Neutral
- Universally Compliant
- Slight to No Odor
- Quick Dry to Re-coat
- Application Temperatures: 40-100°F
- Acceptable for Use in USDA Inspected Facilities
- Spray, Brush, or Roll On

Product Qualifications / Approvals

Cal Green	Yes
OTC (Industrial Maintenance)	Yes
SCAQMD (Industrial Maintenance)	Yes
CARB (Industrial Maintenance)	Yes
LEED (New Construction)	Yes
LEED (New Schools / CHPS)	Yes

SURFACE PREPARATION:

- Conduct a thorough test patch to ensure proper adhesion.
- To maximize adhesion to the surface, sand and scuff glossy/hard surfaces (ex. glazed tiles, porcelain, formica, kynar, glass, fiberglass and glossy aged paint). Feather back and sand all rough edges and patched areas.
- Surfaces must be clean, dry and free of dirt, chalk, grease, oils, salts and any contaminants that inhibit proper adhesion.
- Do not coat surfaces that display hydrostatic pressure or moisture levels above 15%.
- Mold and mildew must be completely removed by cleaning the surface with a mixture of 1-part chlorine bleach and 3-parts water. Then allow the surface to dry to <15% moisture and apply **MONOBOND**.

Concrete/Masonry/Drywall/Plaster: Should be allowed to cure for a minimum of 28 days and be free from adhesion affecting contaminants, alkali (efflorescence residue), dust, dirt, etc.

Wood: Unpainted wood, wood in poor condition and wood siding should be sanded smooth, wiped clean and then primed with **MONOBOND**.

PHYSICAL PROPERTIES

Composition: Urethane-Modified Acrylic

VOC: < 100 g/L

White Base Weight Solids 52% ±2

White Base Volume Solids 38% ±2

Neutral Base Weight Solids 34% ±2

Neutral Base Volume Solids 31% ±2

Weight per Gallon: 10.5 Lbs

Finish: Smooth Flat

Viscosity: 85-95 Kus

Coverage: 250-400 Sq. Ft per Gallon

Recommended Dry Mils: 1.5 - 2.5

Recommended Wet Mils: 4 - 6

Drying Time @77° and 50% Relative Humidity:

Dry to Touch: 30 Minutes

Dry to Topcoat: 2-3 Hours

Topcoat within 18 hours maximum

Shelf Life: 2 Years

Non-Ferrous Metals (galvanized, aluminum, stainless steel, etc.): Remove all oils or films with a neutral detergent or emulsion cleaner. Blast lightly with fine abrasives or conduct a light etching. Then rinse the surface with zinc and coat within 3 hours with **MONOBOND** to avoid oxidation.

Ferrous Metals: Apply **MONOBOND RI**, rust inhibitive primer to the prepared surface.

Previously Painted Surfaces: If in sound condition, clean the surface of all adhesion affecting contaminants.

- Smooth, hard, or glossy coatings and surfaces should be dulled by abrading to maximize adhesion.
- Apply a test area, allowing primer to dry one week before testing the adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary.

WARNING! Removal of old paint by sanding, scraping, or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health affects, especially in children or pregnant women. For more information, call the National Lead Information Center at 1-800-424-LEAD or contact your local health authority. Do not use hydrocarbon solvents for cleaning.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. It is the applicator's responsibility to thoroughly test the product in the specific application to determine its safety and performance capabilities. Since use of this product is beyond our control, MONOPOLE, INC. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specifically written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE disclaims any other expressed or implied warranties, including the warranty of merchantability and fitness for use. Your exclusive remedy and MONOPOLE'S sole liability for breach of warranty is limited to a refund of the purchase price or replacement of any product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages, including labor charges.

PERFORMANCE CHARACTERISTICS:

Adhesion:

Method: ASTM D4541

Result: 600 PSI

Pencil Hardness:

Method: ASTM D3363

Result: H

Impact Resistance:

Method: ASTM D2794

Result: > 140 In/Lbs

Flexibility:

Method: ASTM D522, 180° bend, ½ Mandrel

Result: Pass

Gloss At 60°

Method: ASTM D523

Result: 80-90%

Fade Resistance:

Method: ASTM D151, QUV Type A Bulb, 1,000 Hours

Result: AE=0.89

Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F

Cyclic Prohesion:

Rating 1-10 10=best

Method: ASTM D5894, 2 cycles, 800 hours

Result: 10 per ASTM D610 for rusting

Result: 10 per ASTM D714 for blistering

Result: 10 per ASTM D1654 for corrosion

Salt Fog Resistance:

Method: ASTM B117, CRS, 30 Day Cure

Result: 400 hours @4 DFT