MONOBOND
HIGH ADHESION PRIMER

MONOBOND HIGH ADHESION is a waterborne, urethane acrylic bonding primer and sealer designed for most interior and exterior hard-to-stick surfaces. This high performance primer provides excellent adhesion with fast dry and recoat times allowing projects to be completed quickly and confidently. Monobond High Adhesion can be used on most vertical and horizontal surfaces making it an excellent solution for walls, doors, trim, cabinets, handrails, floors, walkways and much more. Available in a White or Neutral tint base for a full range of color options.

FEATURES:

Excellent Adhesion
Seals Bare Surfaces
Fast Dry & Recoat
Easy-to-Sand
USDA Compliant
Low Odor & VOC

BUILT FOR:

Interior & Exterior
Vertical & Horizontal
Hard-to-Stick Surfaces

Topcoat with Latex, Alkyd, Epoxy, or Urethane Finishes

BEST ON:

Concrete & Masonry
Wood & Composite
Non-Ferrous Metal
Fiberglass & Plastic
Tile & Glass
Kynar & Vinyl
Previous Paint

MEETS VOC REQUIREMENTS:

CAL Green	YES
SCAQMD	YES
CARB	YES
National AIM	YES
Green Seal GS-11	YES
LEED v4 v5	YES

SPECIFICATIONS:

Composition:	Urethane Acrylic
Vehicle:	Water
VOC (ASTM D6886)**:**	< 100 g/L
Solids by Weight:	White 52% ± 2 Neutral 34% ± 2
Solids by Volume:	White 38% ± 2 Neutral 31% ± 2
Shelf Life:	2 Years

AVAILABLE PRODUCTS:

MFG Codes:	1990 White 1980 Neutral
Finishes:	White - Flat Neutral - Gloss
Tint Capacity: *Waterborne Colorants*	White - 0-2 oz / gal Neutral - 4-6 oz / gal
Sizes:	1 Gallon, 5 Gallon

PREPARATION:

All surfaces must be cured, firm and dry. Use suitable cleaners to remove all dirt, efflorescence, oil or other contamination. Sand glossy surfaces and remove dust (See **WARNING!**) See full '*Preparation'* instructions on the following pages.

APPLICATION:

Brush:	Synthetic Bristle
Roll:	Synthetic Nap - 1/4" - 3/8"
Spray:	2000 PSI; 0.009" - 0.015" Tip

Temperature:	40°F - 90°F Air, Surface, & Material
Film Thickness:	4-6 Wet Mils 1.5-2.5 Dry Mils
Coverage:	250-400 Sq. Ft. / Gal
Drying Time: @75°F; 50% R.H.	30 Minutes Dry-to-Touch 2-3 Hours Recoat *Topcoat within 18 Hours*
Thinning:	Not Recommended
Clean Up:	Water

Primer – 1 Coat:

Monobond High Adhesion Primer

Topcoat – 2 Coats:

Monochem Product or Similar Latex, Alkyd, Epoxy, or Urethane

All Surfaces:

Topcoat Monobond High Adhesion Primer after 2-3 hours and before 18 hours. If recoating cannot be done before 18 hours after application, lightly sand the primer to create a profile. Monobond High Adhesion will form a hard dense finish after 18 hours and should not be painted directly over without sanding (see **WARNING!**)

See following pages for detailed preparation and application instructions.

PREPARATION & APPLICATION:

BEFORE APPLICATION

GENERAL PREPARATION: All surfaces must be cured, firm, dry and cleaned free of dust, dirt, oil, grease, wax, chalk, rust, mildew or any other contamination or condition that would adversely affect the performance of the coating. Sand glossy, dense or glazed surfaces (see **WARNING!**). Protect surrounding areas, shrubbery, plants, grass, glass, metal and other glazed surfaces.

CONCRETE & MASONRY: Ensure the surface has a pH < 8 prior to application. Higher pH may result in discoloration or 'burn' of the coating. Use a pH resistant primer if necessary.

METAL: Remove all loose rust, mill scale, or deteriorated previous coatings by Hand Tool (SSPC-SP-2) or Power Tool (SSPC-SP-3) cleaning. Wash surface with TSP or other suitable cleaner or degreaser to remove oil and contaminants. Apply an etching solution to bare surfaces. Rinse thoroughly. Prime the surface with a rust preventative primer as soon as it dries.

TANNIN RICH WOOD: Allow to weather until tannins naturally come out of the substrate. Clean tannins from surface. Apply a tannin resistant stain blocking primer prior to painting.

NEW & BARE SURFACES: Prime surfaces following recommendations on page 1.

PREVIOUSLY PAINTED SURFACES: Remove any peeling, chalky or loose paint, sand to feather edges, and dust clean. Spot prime bare and patched areas. When making a significant color or sheen change, a pigmented primer is recommended to improve hide and appearance of the topcoat.

MOISTURE: All surfaces should be dry before application. Wood should have moisture content < 15%. Concrete and masonry should be thoroughly cured and have moisture content < 15%. Moisture intrusion behind the coating may cause blistering or peeling. Blistering and peeling caused by moisture intrusion is not a defect of the coating and would not by covered by warranty.

STAIN BLOCKING: When painting over stains or tannins, an appropriate stain blocking primer is recommended before top coating.

PATCHING & CAULKING: Caulk and fill cracks, holes, voids, etc. larger than 1/16". Patching and caulking should be allowed to fully dry, then the finish coating system applied. Coating over flexible patch or caulking or in areas with substrate movement may cause cracking of the topcoat.

MIXING: Mix well before use. Purchase enough material to complete your project at the same time. If additional material is needed, retain some of the original material and intermix the material before application or touch up.

THINNING: Apply at can consistency. Do not thin.

CONTAINERS AND TOOLS: Transfer material into a clean container for use. Use new or thoroughly cleaned tools. To avoid contamination, do not re-dip applicators or add used material into containers being used for storage. Clean tools immediately after use while material is fresh.

DURING APPLICATION

TESTING: Prior to full application, apply a test patch to ensure the preparation and coating system are appropriate for the project. If test patch results do not meet the needs of the project, contact a Monopole representative for recommendations.

GENERAL PAINTING: Apply two separate finish coats to create even color, uniform sheen, maximum durability and easier touch-up. Maintain a wet edge while painting.

COVERAGE: May vary depending on method of application, porosity and texture of the surface. Measure estimated coverage during the test application.

FILM THICKNESS: Always follow recommendations for application thickness on page 1. Over application may reduce performance and can lead to runs, extended dry times, a soft film, or a white haze (clear coatings).

WEATHER: Apply product only when material, air, and surface temperature are within the recommendations on page 1 and will remain above that temperature for at least 24 hours. Temperatures must remain 5° above the dew point during application and dry time. Do not expose to rain, fog, snow or any moisture during application or dry time. Limit exposure to heavy moisture for 24-48 hours after application.

BACKROLLING: While spraying, follow with a wet roller to ensure an even coat and fill in porous surfaces. This will reduce pinholes, create uniform sheen and make for easier touch-up.

RECOATING: Always follow recommendations for recoat times on page 1. Recoating too soon or too long after application may reduce performance and can lead to adhesion loss, improper cure or a soft film.

AFTER APPLICATION

DRYING: Dry times are based on standard conditions of 75ºF with a relative humidity of 50%. Lower temperatures or higher humidity may extend drying times. Higher temperatures may speed drying time. Provide adequate ventilation and air movement during and after application.

STORAGE: Store material at room temperature in a clean, tightly sealed container free of rollers, brushes, or other outside materials. Protect from freezing.

CURE: Architectural coatings require up to 30 days after final application for full cure and maximum performance. Cure times vary depending on environmental conditions and air circulation.

CLEANING: Wait until at least two weeks after final application. Clean with fresh water and a cotton cloth. A small amount of mild detergent can be used, if necessary.

PERFORMANCE TESTS:

Adhesion (ASTM D4541)	600 PSI
Pencil Hardness (ASTM D3363)	H
Impact Resistance (ASTM D2794)	>140 in/lbs
Flexibility (ASTM D522)	180° / ½" Mandrel
Fade Resistance (ASTM D151) QUV Type A	1000 Hrs / ΔE .89

Cyclic Prohesion (ASTM D5894) 800	800 Hours
Rust (ASTM D610)	10
Blistering (ASTM D714)	10
Corrosion (ASTM D1654)	10
Salt Fog Resistance (ASTM B117)	400 Hours

WARNING! If you scrape, sand or remove old paint from any surface, 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. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1- 800-424-LEAD (5323) or log on to www.epa.gov/lead.

WARRANTY: The statements made on this bulletin, product labels or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control, Monopole, Inc., does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Monopole, Inc's quality control standards. Any liability whatsoever of Monopole, Inc. to the buyer or user of this product is limited to the purchaser's cost of the product itself.