



Advanced Technology

UMA[®] brand Tintable Base Bonder and Primer/Sealer

Applications:

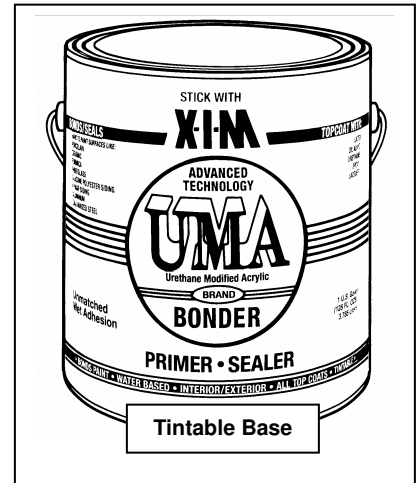
- Aluminum
- Steel*
- Iron*
- Galvanized
 - Trim, Sheet Metal, etc.
- Non-Ferrous Metals
- Tile
- Porcelain
- Glazed Block
- Formica
 - Cabinets, Paneling
 - Doors, Trim
- PVC Shutters
- PVC Clad Windows, etc.
- Fiberglass
 - ie. Garage Doors
- Glass
- Old Glossy Paint
- Wood
- Plywood
- Hardboard, Wallboard
- Masonry
- Pre Coated Siding
 - Silicone Polyester
 - Kynar

Features and Benefits:

- Tintable Base Primer
- Excellent Adhesion
- Low Odor
- Excellent Leveling
- Use With Industrial
 - Grade Top Coats
 - Alkyds, Acrylics,
 - Epoxies, Urethanes,
 - Lacquers
- Sprayable With:
 - Conventional Air,
 - Airless, HVLP
- Soap & Water Clean-Up
- Non-Flammable
- Primes and Seals
- Helps Prevent Flaking, Blistering, Peeling
- Bonds Paint

Product Description:

XIM Advanced Technology UMA Tintable Base version of Advanced Technology UMA is a water-based Bonder that, like the traditional white version, has both primer and adhesive-like properties. It provides excellent adhesion and wet adhesion to "Hard-to-Paint" surfaces, even when wet. Sanding may not be necessary for most clean and dull paintable surfaces, but sanding or dulling the surface is required for maximum adhesion, specifically on surfaces such as tile, porcelain and glazed block. UMA can be used for both indoor and outdoor applications, and can be used with Oil/Alkyd, Latex, Urethane, Epoxy and Lacquer top coats. Advanced Technology UMA will form a hard film when fully cured. Its resistance to scratch testing can vary with the type of surface and the degree of cure, however, when full cured, they will provide long lasting adhesion. For maximum Rust Protection, use solvent based XIM 360 Rust Inhibiting Primer or water based XIM Corrosion Control.



Product Use: Advanced Technology UMA Tintable Base can be tinted to pastel or deeptone colors using up to four (4) ounces of universal tinting color per gallon. To achieve pastels or increase the hiding, white tint may have to be required. Color matching is at the discretion of the purchaser or applicator. It is an ideal prime coat for **Wood, Metals, Plaster, Hardboard, Most Plastics, Fiberglass, Formica, Tile, Porcelain, Glazed Block, Glass, etc.** Also recommended for priming **Kynar and Silicone Polyester pre-coated siding.** Note: Because there are many types of surfaces, plastics and composite materials, always test a small area first for adhesion and topcoat compatibility before starting. When priming Kynar and Silicone Polyester pre-painted siding at least two test patches in different areas is a must to demonstrate adhesion that is acceptable to you. Not recommended for tubs, sinks or showers where continuous water or hot water contact occurs. Not recommended for use on polyethylene, polypropylene, Teflon or nylon. Not recommended for below grade application. For extra corrosion protection on iron and steel use XIM 360 Rust Inhibiting Primer. On extremely porous surfaces or severe staining types of wood additional coats of UMA may be required. Certain staining agents, such as tannic acid or mineral salts from water may require XIM's solvent based stain killers. Advanced Technology dries to touch in about 30 to 45 minutes and will reach full hardness in 7 to 10 days depending on temperature, humidity and film thickness. It can be nib sanded after about 3 hours and lightly sanded 24 hours after application. It can be used for indoor or outdoor applications and can be top coated with all top coats including **latex, oil-alkyds, lacquers, urethanes and epoxies.** Shelf life is 36 months, unopened at room temperature of 77 degrees F.

Packaging Data:	UMA brand Tintable Base #1106
Gallons	- 4 per carton
Quarts	- 6 per carton
Pails	- 5 gallon capacity

Technical Service Information: For further information about this or any other XIM product, contact our Technical Service Staff toll free at (800) 262-8469.

Product Preparation: Advanced Technology UMA is ready to apply from the can. If tinting, use universal tinting colors up to four (4) ounces per gallon. Shake or mix well before using. If thinning, XIM's Latex X-Tender is recommended.

Surface Preparation: Surface must be clean and dry, free from all grease, wax, oil, polish, loose paint, dirt, rust or other contamination. Clean with a strong abrasive detergent, rinse well and allow to dry. Scrub moldy or mildewed surfaces with bleach and rinse well. When priming hard, glossy surfaces, metal or pre-finished siding clean per SSPC-SP1, which is solvent cleaning. Wipe down the surface with XIM GON Cleaner or Xylene. Do not use mineral spirits, turpentine solvents that will leave oily residues. For very hard, glossy surfaces, roughing the surface with silicon carbide sandpaper before applying the Bonder necessary for best adhesion.

XIM . . . When Ordinary Primers Are Not Enough!

See us on the Web at www.ximbonder.com

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How to Apply: Apply this Bonder by synthetic fiber brush, ¼ inch synthetic roller or by spray. Avoid any excess foaming by thoroughly wetting the brush or roller with water before applying. The temperature of the surface and the surrounding air should be between 35 deg. F and 100 deg. F. It will dry to touch in about 30-45 minutes under standard conditions (77 deg. F and 50% relative humidity). Thicker coats will take longer to dry. It will generally become hard in about 7 - 10 days. They can be top-coated in 3 hours after application. When top coating with 2-component paints allow 24 hours before painting. Do not paint in direct sun or on a hot surface. Stop application two hours before a heavy dew or rain. If possible plan your painting to avoid rain, moisture and high humidity for the first 24 hours of curing. Advanced Technology covers about 450 square feet per gallon. Caulk seams and edges after priming.

Clean-Up: Clean-up with soap and water. If the UMA “sets-up”, or when cleaning up splatters or spills use warm water or lacquer thinner.

Potential Applications:

Building Material Plastic: More and more plastics are used in the building industry, including PVC sheeting and piping, vinyl shutters, vinyl molding and mill work, laminated Formica paneling and cabinets as well as fiberglass garage doors and other molded parts. First, remove old and loose paint then clean away wax, polish, grease, oil and other contaminants from the surface with a strong abrasive detergent. Wipe the surface with a cleaning solvent such as XIM GON Cleaner or xylene. Dry, then scuff sand the surface for maximum adhesion. Apply the XIM Bonder. Wait 3 hours and topcoat. Test for adhesion before starting the job. Advanced Technology UMA is recommended for priming Kynar and Silicone Polyester pre-coated siding. When priming Kynar and Silicone Polyester pre-painted siding at least two test patches in different areas is a must to demonstrate adhesion that is acceptable to you.

Tile, Glazed Block and Brick, Porcelain: Decorative surfaces such as these can be restored and painted. First remove old paint and debris. Repair or patch any broken or damaged areas. Then clean away any wax, polish, grease, oil and other contaminants with a strong abrasive detergent. Wipe the surface with a cleaning solvent such as XIM GON Cleaner or xylene. For maximum adhesion scuff sand or etch the surface with XIM’s etching cream, Etch-I-M, rinse well to remove any etching residues and allow to dry. Apply the UMA Bonder and allow to dry for 3 hours then apply the topcoat. Not recommended for sinks, tubs or shower areas where continuous water or hot water can be present. Note: where flexible seams or soft caulking are present, do not paint over with the UMA. Always plan your job ahead and caulk after painting. Always caulk edges or seams that can trap and hold moisture and, therefore, become the source of coating failure. For exterior jobs - where high water contact is expected or where moisture or dew may accumulate, two coats of the top coat paint are recommended.

Non-Ferrous Metals: With XIM Advanced Technology UMA brand Bonder you can get a long lasting, durable job when painting aluminum doors and window frames, aluminum and copper flashing and trim as well as galvanized steel. Clean away all corrosion and any old paint, dirt, wax and grease. Wipe the surface with a cleaning solvent such as XIM’s GON Prep cleaner. Allow to dry then apply the UMA Bonder (only one coat is required) Allow the UMA to dry for three hours, then apply the top coat.

Physical/Chemical Data:

Advanced Technology UMA brand Tintable Base Bonder

Weight per Gallon :	9.96 lb/gallon
Non-volatile by weight:	37.86% Non volatile by volume: 25.62%
Viscosity (KREBS Unites):	105 +/- 5 KU
Spreading rate (@ 1 mil DFT):	395 Square Feet per Gallon
Application Conditions for both products:	(35* F To 100* F - Agitate before Use)
Drying Schedule: (ASTM D1640)	to touch: 30 to 45 minutes @ 77 deg. F and 50% RH to top coat: 3 hours @ 77 deg. F and 50% RH dry hard: 7-10 days @ 77 deg. F and 50% RH
Flash Point (ASTM 3278-82):	>200 deg. F
VOC :	Less than 100 g/l, 0.83 lb/gal.
Recommended Film Thickness:	1.0-1.25 mil dry (3.5-4.5 mils wet)
Flexibility (ASTM D522 - 1 mil cold rolled steel) :	Excellent
Cross Hatch Adhesion (ASTM D3359, Method B) :	No loss
Impact Resistance (ASTM D2794 - 100 in. lbs.) :	Pass
Temperature Stability:	(Up to 300 ° F intermittently)
Gloss (60 ° glossmeter):	Less than 10
Top Coats Recommended :	Oil/Alkyd, Latex, 2K Urethane, 2K Epoxy, Lacquers

Caution: Keep from freezing. Do not take internally. If sanding, wear a dust mask to avoid breathing sanding dust. Use with adequate ventilation. If you experience eye watering, headache or dizziness wear appropriate, properly fitted respirator during application. Avoid contact with eyes. Wash thoroughly after handling. See separate cautions for the aerosol on the aerosol label. **KEEP OUT OF REACH OF CHILDREN. First Aid:** In case of eye contact, flush with plenty of water for at least 15 minutes and get medical attention. If you experience difficulty in breathing, leave the area to obtain fresh air. For additional information see the Material Safety Data Sheet (MSDS) for this product.

Catalog #1105