

	<b>TECHNICAL DATA</b>	<b>XIM-04</b>
	<b>X-I-M® ADVANCED TECHNOLOGY PRIMER SEALER BONDER (TINT BASE)</b>	

## DESCRIPTION AND USES

UMA® Advanced Technology Primer/Sealer/Bonder Primer is a fast drying, water-based bonding agent that has both primer and adhesive-like properties. It provides excellent adhesion to hard-to-paint surfaces even in high humidity conditions. Advanced Technology UMA Brand will form a hard film when fully cured. UMA Brand can be used for indoor and outdoor applications and can be topcoated with latex, oil-based alkyds, lacquers, epoxies and urethanes.

UMA Brand contains XIM's Flash Bond® Technology, a water-based, nano particle technology, designed to provide excellent adhesion and hardness in a low VOC formula. It is a proprietary blend of adhesive polymers, surface penetrants, surface wetting agents and polymeric film hardeners.

UMA Brand is suitable for use on wood, metal, most plastics, fiberglass, Formica®, tile porcelain, glazed block, and glass. It is also suitable for use on aluminum preceded by a solvent wipe. It is also recommended for Kynar® and silicone polyester siding. When priming Kynar® or silicone polyester siding, apply a test patch in two different areas to ensure adhesion is acceptable.

UMA Brand is not recommended for tubs, sinks and shower areas where continuous hot, soapy water contact occurs. Not recommended for use on polypropylene or polyethylene materials. Not recommended for below grade applications. For extra corrosion protection on iron or steel, use XIM360 NT Rust Inhibiting Primer. On extremely porous surfaces or severe staining types of wood, additional coats of Advanced Technology UMA Brand may be required.

## PRODUCT FEATURES

- Excellent adhesion
- Improved wet adhesion on hard, glossy surfaces
- Low temperature / high humidity application
- Excellent leveling
- Low odor & compatible with all top coat paints

## PRODUCTS

SKU	DESCRIPTION
11066	5-Gallon Tint Base
11061	1-Gallon Tint Base
11062	1-Quart Tint Base

## PRODUCT APPLICATION

### SURFACE PREPARATION

Surfaces must be clean, dry, sound, and free of dust, dirt, wax, polish, grease, oil, chalk, loose paint and other contaminants. The surface should be sound and stable. Clean with a strong detergent, rinse and allow to thoroughly dry. For hard, glossy surfaces, including pre-finished siding, clean with XIM GON™ or xylene. Do not use solvents that leave an oily residue such as mineral spirits or turpentine. Scuff sand hard, glossy surfaces for maximum adhesion. Mold and mildewed surfaces should be cleaned with bleach, then thoroughly rinsed with clean water and allowed to dry.

## PRODUCT APPLICATION (cont.)

### SURFACE PREPARATION (cont.)

**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).

### APPLICATION

Use in a well ventilated area when temperatures are between 40-100°F (4-38°C). It can be applied in high humidity conditions up to 90% relative humidity. Thoroughly mix to ensure any settled pigment is re-dispersed before using. If thinning is desired, use XIM Latex X-Tender at 2 ounces per gallon. Apply with a synthetic (nylon, polyester or blend) bristle brush, ¼" synthetic roller, conventional or airless spray. Follow manufacturer's instructions when using spray equipment. For airless spraying use a 0.013 to 0.015" tip at 1500 to 1750 psi.

Do not paint in direct sun or on hot surfaces. Stop application two hours before rain or heavy dew. If possible, plan your painting to avoid rain and moisture for the first 24 hours of curing. Caulk seams and edges after painting.

**NOTE:** Do not use as a primer over silicone caulks.

### TINTING

UMA Brand can be tinted with up to four ounces of universal colorant per gallon.

### DRY & RECOAT

Dry and recoat times are based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures. Thicker coats will take longer to dry. Dries to the touch in 30-45 minutes and can be topcoated in 3 hours (will vary with temperature). Allow 24 hours before applying two-component paints. It will be fully cured in 7-10 days. It can be nib-sanded in 3 hours and lightly sanded after 24 hours.

### CLEAN-UP

Clean up tools and equipment immediately with soap and water. Clean-up spatters and spills immediately with warm water. If UMA Brand sets up or dries, remove with XIM GON or lacquer thinner. Properly discard empty container.

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## PHYSICAL PROPERTIES

		UMA ADVANCED TECHNOLOGY PRIMER SEALER BONDER
<b>Resin Type</b>		Modified Acrylic Copolymer
<b>Pigment Type</b>		Titanium Dioxide, Calcium Carbonate
<b>Solvents</b>		Propylene Glycol, Water
<b>Weight</b>	<b>Per Gallon</b>	10.5 lbs.
	<b>Per Liter</b>	1.26 g/l
<b>Solids</b>	<b>By Weight</b>	43.7%
	<b>By Volume</b>	29.0%
<b>Volatile Organic Compounds</b>		<100 g/l (0.83 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) per Coat</b>		1.0-2.0 mils (25-50μ)
<b>Wet Film to Achieve DFT (unthinned material)</b>		3.5-7.0 mils (87.5-175μ)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		200-400 sq. ft./gal. (4.9-9.8 m <sup>2</sup> /l) Varies depending on porosity and type of surface
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Touch</b>	30 to 45 minutes
	<b>Topcoat</b>	3 hours
	<b>Full Cure</b>	7-10 days
<b>Shelf Life</b>		3 years
<b>Flash Point</b>		>200°F (93°C)
<b>Storage</b>		Not to exceed 110°F (43°C) Keep from freezing
<b>Safety Information</b>		For additional information, see SDS

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