TECHNICAL DATA

UMA® ADVANCED TECHNOLOGY PRIMER SEALER BONDER (WHITE & CLEAR)

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 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 Tremclad Rust Inhibiting Primer. On extremely porous surfaces or severe staining types of wood, additional coats of UMA Advanced Technology Brand may be required.

MPI #17, E2, Green Certified, GPS-1*

FEATURES

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

PRODUCTS

SKU	Description
1105C2	917 mL (quart), white
1105C1	3.61 L (gallon), white
1105C6	18 L (5 gallon), white
1106C2	917 mL (quart), clear
1106C1	3,61 L (gallon), clear
1106C6	18 L (5 gallon), clear

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 xylene. Do not use solvents that leave an oily residue such as mineral spirits or turpentine.

PRODUCT APPLICATION (cont.)

Scuff sand hard, glossy surfaces for maximum adhesion. Mould and mildewed surfaces should be cleaned with bleach, then thoroughly rinsed with clean water and allowed to dry.

APPLICATION

Use in a well ventilated area when temperatures are between 4-38°C (40-100°F). 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 Zinsser Latex X-Tender at 60mL (2 oz) per 3.61 L.

Apply with a synthetic (nylon, polyester or blend) bristle brush, 64 mm (¼ inch) 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 may be tinted up to 60mL (2oz) of universal colorant per 3.61 L (gallon).

DRY & RECOAT

Dry and recoat times are based on 21°C (70ºF) 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 lacquer thinner. Properly discard empty container.

CCCR

CAUTION: Use only in a well ventilated area. Do not breathe vapours. May irritate eyes and skin. Do not get in eyes, on skin or clothing**. KEEP OUT OF REACH OF CHILDREN.**
FIRST AID TREATMENT: If breathed in, move person to fresh air. If swallowed call Poison Control Centre or doctor immediately. Do not induce vomiting. If on skin, rinse well with water.

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PHYSICAL PROPERTIES

Physical Properties		UMA ADVANCED TECHNOLOGY PRIMER SEALER BONDER
Resin Type		Modified Acrylic Copolymer
Pigment Type		Titanium Dioxide, Calcium Carbonate
Solvents		Propylene Glycol, Water
Weight	**Per Gallon**	10.7 lbs.
	Per Liter	1.28 g/L
Solids	**By Weight**	44.2%
	By Volume	28.6%
Volatile Organic Compounds		<100 g/L (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		1.0-2.0 mils (25-50µ)
Wet Film to Achieve DFT (unthinned material)		3.5-7.0 mils (87.5-175µ)
Theoretical Coverage @ 1 mil DFT (25µ)		11.3 m^2/L (459 sq.ft./gal.)
Practical Coverage at Recommended DFT (assumes 15% material loss)		4.9-9.8 m^2/l (200-400 sq.ft./gal.) Varies depending on porosity and type of surface
Dry Times at 70-80ºF (21-27ºC) and 50% Relative Humidity	**Touch**	30 to 45 minutes
	Topcoat	3 hours
	Full Cure	7-10 days
Shelf Life		3 years
Flash Point		>93°C (200°F)
Storage		Not to exceed 43°C Keep from freezing (110°F)
Safety Information		For additional information, see SDS.