



# Plastic & Vinyl NT™ \* White Plastics Bonding Primer

[ Plastic & Vinyl NT Meets 100 g/l VOC Rule Limits ]

## Applications:

### For Priming:

Plastics so that they can be painted.

**Molded Parts and Construction Materials** such as Molded Shutters, Facia, Vents, Decorative Moldings, Window Frames, Trim, as well as Household Items, including Plastic Composite Materials and Plastic Alloys

**Works on:** (See Chart On Back)

Acrylic (Methyl Methacrylate)  
Acrylonitrile Butadiene Styrene (ABS)

Fiberglass  
Nylon®

Phenylene Oxide  
Polyvinyl Chloride (PVC)  
Polycarbonate  
Polystyrene  
Polypropylene (PP)  
Polyurethane (PU)  
TPO  
etc.

### Not recommended for:

Polyethylene or Plastic alloys made with Polyethylene or Teflon®

## Features and Benefits

Saves Cost of Replacing

Easy to Use

Tough and Durable

Fast Dry

Flat Off-White Color

Can be tinted to pastel colors

Child-Safe when cured

Indoor/Outdoor Uses

Use with most all Topcoats



See us on the Web at

[www.ximbonder.com](http://www.ximbonder.com)

Technical Service Information

(800) 262-8469

**Description:** XIM's Plastic & Vinyl NT Bonding Primer replaces XIM's Plastic & Vinyl Plastics Primer. It is formulated to bond strongly to a wide range of plastic materials used in home and building construction. When applied to a clean surface, it will allow painting. Generally, plastic materials and plastic molded parts could not be painted with long term confidence. When the XIM Plastic & Vinyl NT Bonding Primer is used, regular oil-base alkyd paints, water-based latex paints, 2K urethanes and 2K epoxy paints can be used to paint materials made of many plastics. See the chart on the back side for a fuller detailed list of plastics.



Product No. 1143

\* NT = New Technology

### Packaging Data:

Plastic & Vinyl NT Bonding Primer: # 1143

Gallons - 2 per carton #11431

Quarts - 4 per carton #11432

Aerosols - 6 per carton #11435

**Product Preparation:** Plastic & Vinyl NT is ready to use directly from the can. No thinning required. Do not add extra solvent. If tinting is desired, use universal tinting colors not to exceed two (2) ounces per each gallon. Plastic & Vinyl NT is a thin product and can settle. Shake or mix well before using.

**Product Storage:** Plastic & Vinyl NT - Two years at temperatures not to exceed 120° F.

**Surface Preparation:** Be sure the surface is clean and dry, free from dust, grease, wax, oil, loose paint, dirt and other surface contaminants. Clean with a strong, abrasive detergent and rinse completely. For very hard, glossy surfaces, dulling the surface with a carbide sandpaper before applying the Plastic & Vinyl NT is necessary for the best adhesion. Solvent wiping the surface with XIM GON™ solvent cleaner, XIM GON<sub>2</sub>O™ water based cleaner or xylene is also recommended. Do not use mineral spirits, turpentine or any oily cleaning solvent. **Note: Some plastics are attacked by solvents - always check a small area before proceeding.**

### Application Information

#### Spraying:

	Tip Size	Pressure	Equipment Mfg.
Airless Spray	0.011 to 0.015	Less than 1500 PSI	All Mfg.
HVLP Spray	9 Cap	8 PSI	Spraytech, Accuspray, Graco, etc.

**Spray Gun Usage:** When applying with spray gun equipment, vapors can build up rapidly and may cause flash fire. With all applications: vapors may travel to areas away from work site and ignite; use only where moving air will carry vapors outside.

**Clean Up:** XIM GON™ Cleaner or xylene.

**NOTE:** Recycled plastics, as well as, plastic additives such as mold release agents, flow additives, flame retardants, etc. can affect primer adhesion. Because there are many types of plastics and composite materials always test a sample for acceptable adhesion before starting the job.

**XIM. . .When Ordinary Primers Are Not Enough!**

# XIM Plastic & Vinyl NT™ Bonding Primer

**How to Apply:** Use brush, roller or spray. Use a natural bristle brush or a short nap roller (1/4 inch nap). Not recommended for use with foam brushes or foam rollers covers. Don't overload the applicator. Use light pressure when applying to reduce drips and spatter. Thin film application desired.

Excellent open-time. When spraying, apply a light, but wet mist coat followed by a second light to medium coat. Thin film application is desired. When spraying with airless, use 0.011 to 0.015 size tip with a lower pressure (less than 1500 psi). Air and surface temperature should be between 50°F and 90°F. Plastic & Vinyl NT will dry to touch very quickly (20 to 30 min). Work in small areas and apply evenly. Plastic & Vinyl NT can be top-coated in 2 to 3 hours. Plastic & Vinyl NT is generally hard after 24 hours. Thicker films can remain tacky for about 24 hours but will generally harden after 48-72 hours. Full cure in about 7 days. (Will depend on temperature and film thickness)

One gallon will cover approximately 662 square feet of non-porous surface at 1 mil dry film thickness. **Do not prime flexible seams or caulks;** they may cause cracking or loss of adhesion when coated with Plastic & Vinyl NT. Plan your job in advance and always caulk seams or edges after painting. Not recommended for priming 100% silicone caulks or silicone rubber seams.

**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](http://www.epa.gov/lead).

**WARNING:** This product contains chemicals known to the state of California to cause cancer and birth defects, or other reproductive harm.

**WARNING:** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure.

Physical/Chemical Data as Supplied:	XIM Plastic & Vinyl NT Bonding Primer	#1143
Weight per Gallon:	10.27 lb/gallon	
Non-volatile:	61.43% by weight & 41.28% by volume	
Viscosity (#2 Zahn Cup):	25 +/- 4 seconds	
Spreading rate ( @ 1.00 mils DFT ):	662 Square Feet per Gallon	
Application Conditions:	50° F to 90° F (Mix before Use)	
Drying Schedule: (ASTM D1640) @ 77° F and 50% RH	to touch: Generally 20-30 min. Can be up to 24 hours depending on temperature and film thickness to top coat: 2-3 hours dry hard: Generally 24-48 hours Full Cure: Generally 7-14 days	
Flash Point (ASTM 3278-82):	0° F	
VOC:	Less than 100 g/l, .85 lb/gal.	
Recommended Film Thickness:	0.75 to 1.25 mil dry	
Flexibility (ASTM D522 - cold rolled steel at 1 mil dry):	Excellent	
Cross Hatch Adhesion (ASTM D3359, Method B at 1 mil dry):	No loss	
Impact Resistance (ASTM D2794 - 100 in. lbs. at 1 mil dry) :	Pass	
Temperature stability of cured film:	Up to 250° F intermittently	
Gloss (60 deg, glossmeter):	Less than 10	
Top Coats	Recommended . . . . . Oil/Alkyds and Latex (re-coat time - 2 hours) Recommended . . . . . 2K Urethane, 2K Epoxy , Fast Dry Fall, Deep-Tinted Top Coats (re-coat time - 24 hours) Not Recommended . . . . . Lacquers (For Aerosol Cans - Always Test First)	

## Plastics Application Chart

Plastic Materials Recommended	Common Name	Examples of Trade Names
Acrylonitrile Butadiene Styrene	ABS	Various
Methyl Methacrylate	Acrylic	Plexiglas®, Acrylite®, Lucite®, Crylex®
Cellulose Acetate Buterate	CAB	Various
Fiberglass	FPR	Fiberglas®
Nylon	-----	Various
Phenylene Oxide	-----	Noryl®
Polycarbonate	PC	Hyzod®, Tuffax CM-2, Lexan® MR-4000, Zelux®, Coex®
Polyester	-----	Mylar®, Haysite®, Homalite®
Polypropylene	PP	Plasticore®, Trovidur®
Polystyrene	PS	Styrolux®, Rexolite®
Polyurethane	PU	Various
Polyvinyl Chloride	PVC	Sintra®, Trovicel®
Thermoplastic Olefin	TPO	Always test TPO for acceptable adhesion - May be polyethylene or a blend
<b>Not Recommended</b>		
Fluorocarbon/Fluoropolymer	PFA, PTFE	Teflon®, Kel-F, Halar®, Korton®
Polyvinylidene Fluoride	PVDF	Kynar®
Polyvinylfluoride	PVF	Tedlar®
Polyethylene	PE	Low or High Density Polyethylene

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. See this product's Material Safety Data Sheet (MSDS) for additional information.

Limited Warranty: This product is made to the highest standards in order to provide you with consistently optimum results. If this product fails to perform as specified herein, XIM will furnish an equivalent amount of replacement product, or will refund the purchase price upon proof of purchase. XIM will not be liable for any indirect or consequential damages. This warranty does not include labor or the cost of labor for the application or removal of any paint or primer. There are thus no warranties of fitness or merchantability beyond that provided above. This warranty gives you specific legal rights which may vary from state to state.

