

Universal Hi-Build™ White

UNIVERSAL WATER BASE OPAQUE UNDERCOATER

Product Code: **280187**

Universal Hi-Build™ Water Base Opaque White Undercoater is a single component, high solids 'Universal Sealer' for use on Water Base or Solvent Base Opaque Finishes.

Ideal For

- Doors and Millwork
- Fixtures & Displays
- Furniture
- Cabinets & Casegoods

- AIM compliant <100 g/l VOC
- HAPs Free

Benefits

- Compatible with many water base and solvent base topcoats
- Nonyellowing
- Very low odor
- Exceptional adhesion
- Tannin blocking properties
- High Solids
- Fast dry
- Easy to sand
- Easy to use
- Ultralow VOC
- Zero HAP

APPLICATION DATA

SURFACE PREPARATION: "White sand" wood with maximum 150 grit aluminum oxide sandpaper. Remove all sanding dust. Keep free dirt, grease, silicone oils, lubricants and other contaminants.

APPLICATION EQUIPMENT: This product is designed for spray application through all types of spray equipment. Use corrosion resistant equipment with water base products. Recommended settings below with trigger pulled:

Airless	No thinning required. 1200 to 1600 psi 413 spray tip. Note: Double orifice fine finish tips are NOT recommended.
Air Assist	No thinning required. 700 to 900 psi fluid pressure 15 to 20 psi air cap, 411 spray tip.
HVLP	Thin up to 10% with clean water. 32-34 psi air cap 1.8 to 2.2 fluid nozzle

THINNING: This product is designed to spray at package viscosity. Thinning is not recommended. However, if thinning is desired, thin sparingly with water. Thinning will reduce film build and may increase grain raise.

Note: Thinning requirements may vary with changes in temperature and spray room conditions.

AGITATION: This product must be kept under slow, constant agitation to ensure proper mixing. Do not shake.

CLEAN UP: Use warm water for wet product. Use acetone to remove dried coating.

FINISHING SYSTEM

SEAL: To achieve maximum tannin blocking and hold out TWO coats (35 mils wet) of Universal Hi-Build Water Base Opaque Undercoater. Allow each coat to dry 40 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: One to two top coats following application instructions for selected coating.

*Dry times will vary with film thickness, temperature, humidity and air movement.

SAFETY PRECAUTIONS

Avoid breathing vapors, use a NIOSH approved cartridge respirator. Use prefilters to avoid breathing spray particles or sanding dust.

Read Material Safety Data Sheet and label before using.

SPECIFICATIONS	
Coverage	742 square feet per gallon @ 1 dry mil film thickness
Viscosity	35-40° #2 Zahn EZ @ 75° F
Solids	65% by weight
VOC (Volatile Organic Compounds)	
VOC Regulatory	39 g/l (0.33 lb/gal)
VOC Actual	19 g/l (.16 lbs/gl)
VOC Ratio	0.02 lbs VOC/lbs solid
HAPs (Hazardous Air Pollutants)	
HAPs Ratio	lbs HAPs per lbs Solid: 0.0
Dry to Sand	35-40 minutes @ 650° F 60 minutes if using under solvent topcoats.
CAUTION: Thinning will reduce film build.	

APPLICATION PRECAUTIONS

Dry times may vary due to environmental controls, humidity and application methods.

Keep container closed when not in use. Store in the original container.

Do not store above 100°F (38.8°C). Keep from freezing. For best results, use within 12 months of manufacture date.

Recommended for use with Colortools™ Water Base Colorants. Do not exceed 4 fluid ounces of colorant per gallon of coating when tinting. Stir thoroughly. Do not shake (or be sure to allow sufficient time for bubble release after shaking).

Not recommended for use as an exterior finish.

The use of stainless steel application equipment is recommended.

Finish, substrate and curing temperatures should remain above 60°F, extremes of temperature and humidity may affect product performance.

This product has been tested on a limited number of substrates and under a limited number of coatings. The user is responsible for testing suitability and performance for their specific application.

Shipping & Storage Information

OSHA Flammability Class: Not applicable

DOT Class: Not regulated

KEEP FROM FREEZING



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