

Universal Hi-Build™

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 under either Water Base or Solvent Base Opaque Finishes.

Ideal For

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

- AIM compliant 275 g/l VOC
- NESHAP compliant—JJ (furniture)
- NESHAP compliant—QQQQ (doors & windows)

Benefits

- Compatible with most water base and solvent base topcoats
- Non-yellowing
- Very low odor
- Exceptional adhesion
- Tannin blocking properties
- High Solids
- Fast dry
- Easy to sand
- Easy to use
- Ultra-low VOC
- Zero HAP

APPLICATION DATA

SURFACE PREPARATION: "White sand" wood with maximum 150 grit aluminum oxide sandpaper. Remove all sanding dust. Keep free of 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 are 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 1.4 to 1.8 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 soap and water for wet product. For dried finish clean up, use lacquer thinner compliant with local air quality rules & regulations.

FINISHING SYSTEM

SEAL: To achieve maximum tannin blocking and hold out, apply **TWO** coats (4-6 mils wet) of Universal Hi-Build Water Base Opaque Undercoater. Allow each coat to dry 30 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

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

If desired, additional coats may be applied up to a total dry film of 5.0 dry mils.

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

SAFETY PRECAUTIONS

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

Read Material Safety Data Sheet and label before using.

SPECIFICATIONS	
Coverage	685-700 square feet per gallon @ 1 dry mil film thickness
Viscosity	65 –70 KU (Krebs Units @ 75° F)
Sag Resistance	7 mils vertical @ 65-70° F
Solids	58.5% by weight 6.51 lbs per gallon
VOC (Volatile Organic Compounds)	Calculated: 76 g/l (0.635 lb/gal)
(Hazardous Air Pollutants)	Pounds per Gallon: 0.000 Pounds HAP per Pound Solids: < 0.8 (actual 0.000) Pounds HAPs per Volume Solids: < 0.48 (actual 0.000)
Dry to Sand	30 minutes @ 65-70° F
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 per gallon 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.
- Total film build of finishing system must not exceed 5.0 dry mils.
- This product has been tested on a limited number of substrates and over 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



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