

TECHNICAL DATA SHEET

AU0469
HYDROPLUS™ WATERBORNE SEALER
AU0469000 (5 gal. pail)
AU0469A00 (53 gal. drum)

Area of use:	Interior wood products such as residential furniture, cabinetry, architectural woodworking and novelties
Method of use:	Spray - Conventional, Airless, Air Assisted Airless, HVLP.
Mixing Procedure:	Ready to use. If thinning is required, use deionized water up to 5%.
Clean up:	2 parts water to 1 part 2-Butoxyethanol

Technical Characteristics

Solids content (%):	Weight Solids 31 ± 1 / Volume Solids 27.7 ± 1
Specific gravity:	1.04
Viscosity (Zahn #5 at 77°F):	17-22 seconds
Wet film thickness :	2.0 – 3.0 mils
Dry film thickness :	0.60 – 0.80 mils
Spread Rate:	450 sq. ft/gal @ 1.0 mils DFT, no loss
Drying time (at 77°F):	To Handle: 20-30 minutes To Sand: 30-40 minutes To Topcoat: 50 minutes
Shelf-life:	12 months After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.
VOC (Theoretical as packaged, maximum):	1.66 lb/gal, 199 g/L (less exempt solvents)
VHAPS (as packaged, maximum):	0.14 lb/lb of solids
Flash Point	N.A.
An Environmental Data Sheet is available from your local servicing facility, or at www.paintdocs.com .	

General Characteristics

HYDROPLUS™ Waterborne Sealer is a clear fast drying waterborne acrylic sealer with quick build and excellent sanding characteristics designed for use on interior wood products. With its thixotropic properties this sealer is ideal for vertical application and very suitable for complex parts such as ornate furniture. AU0469 works very well on closed grain or semi-closed grain wood species such as maple or alder. Application on open grain woods such as oak may require an additional coat of the sealer with sanding between coats. This sealer displays excellent transparency and color, making it a great sealer for use under HYDROPLUS™ AF55 series or AF71 series topcoats. HYDROPLUS™ Waterborne Sealer is low in VOC content and is formulated without any formaldehyde based resins.

Substrate Preparation

Wood – New Work (interior only): Must be clean, dry and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints and any contamination. Moisture content of wood should be 6-8%.

Previously finished wood (interior only): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

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Wood Finishing System

1. **Stain (optional)** – Stain or color wood if desired and allow to dry. Consult your local representative for appropriate stain offering.
2. **Seal** – Apply thin coat of Hydroplus Waterborne Basecoat Clear at 2.0 – 3.0 mils wet. Allow to dry for 30-40 minutes. Sand with 240 - 320 grit sand paper and remove sanding dust. For best sanding results, use steared sand paper. If higher build is desired, apply additional coat of sealer and sand between coats.
3. **Topcoat:** Apply Hydroplus™ topcoat of choice. Refer to corresponding data sheet for details. Do not exceed 4.0 mils total dry film thickness for complete finishing system.

Note: Oak or other species of wood rich in tannic acid can discolor. Users are urged to test the system under shop conditions.

Drying Conditions: This product dries primarily by water evaporation. Best drying occurs at 50% RH or lower and temperatures of 77°F or higher. Good air movement is essential for complete drying.

Special instructions:

- Keep from freezing. Do not store at temperature below 41°F.
- Do not apply at temperature below 59°F.
- Stir the product well before application in order to disperse any possible sedimentation. This operation is essential to ensure even matting on the substrate.
- Because of the variety of materials used to manufacture wood furniture, when moving to a waterborne system from a solvent based system, it is very important to check with the supplier the suitability of equipment and components used, with particular attention to electrostatic guns, pumps, seals, silicones, glues, products for booth water treatment, packing materials, sanding papers, putties, etc.
- The use of coating devices not in perfect order (defective gaskets, too high pressures) or of pumps with low capacity may cause major defects in the coating film (air bubbles).
- Use stainless steel spray equipment. Tanks, piping and containers should be lined steel or plastic.

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

Application Equipment Settings			
Conventional		Air Assisted Airless	
Air Pressure:	35 - 40 psi	Air Pressure:	15 - 20 psi
Fluid Pressure:	10 - 15 psi	Fluid Pressure:	500 - 900 psi
Cap/Tip Size:	.070	Cap/Tip Size:	.017
Airless		HVLP	
Pressure:	1400 - 1800 psi	Air Pressure @ Cap:	15 - 25 psi
Tip Size:	.011 - .015	Fluid Pressure:	10 - 15 psi
		Cap/Tip Size:	.070

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FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local facility or www.paintdocs.com. Please direct any questions or comments to your local servicing facility.

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