



MATADOR™ WHITE
DH560001X (20,40,60,80 Gloss)

DESCRIPTION:

Matador™ White is a fast drying, post catalyzed, acid cured conversion varnish developed for a variety of interior woodworking. It has very high solids content and very quick build when used over Beryl™ Surfacer White or Beryl™ Unisurfacer. Designed specifically for MDF, it can be used on solid wood and provides excellent filling and sanding properties. It's chemical and moisture resistance characteristics make it an ideal finishing system for kitchen cabinets, bath vanities and furniture. This low HAPS solvent system meets KCMA standards and can be tinted.

PRODUCT DATA:

Color:	Wet: White Dry: White	VOC (as packaged, maximum, less water and exempt solvents):	2.68 lbs/gal or 321 g/l
Solids % by Vol.:	61 % (Theoretical)	VOC (emitted):	2.67 lbs/gal or 320 g/l
Solids % by Wt.:	75 % (Theoretical)	Lbs. VHAPs / Lbs. Solids:	0.16 before catalyzed
Weight / Gal.:	10.73 lb/gal	Flash Point (PMCC):	13° C / 55 ° F
Viscosity 23°C / 73°F:	#4 Ford: 155-185 Sec.	Photo Chemically Reactive:	Yes
Viscosity 23°C / 73°F:	DIN 4: 145-175 Sec.	Shelf Life:	12 months (at 15-25° C / 59°-77° F)
Viscosity 23°C / 73°F:	Zahn #2 sig.: N/A Sec.	Theo. Coverage@1mil dry	980 Sq. Ft./Gal. 100% Efficiency

MIXING / APPLICATION:

Working Temp: >18° C, 65° F substrate, coating and air
Hardener: 2750 Catalyst (Regular), 494 Catalyst (Slow), 309 Catalyst (HAPS Free)
Catalyzation: 12% by volume
Pot Life: 8 hrs. (23° C / 73° F)
Mixing: Add catalyst under agitation. Use proper graduated cup for measuring. Be attentive to the correct ratio. Add thinner after catalyst to achieve desired viscosity, typically about 20%.
Sealer: Apply as a self-sealed system, or over recommended AcromaPro post catalyzed, acid cured primers.
Reducer: Thinner 219 (Regular), Thinner OC 140 (Fast), Thinner 309 (HAPS Free), Thinner 419 (Slow, HAPS Free)
Application: 100-125 (g/m²) Approx. 4-5 wet mils; Min 3 mil wet –Max 6 mil wet @ 60%RH
Surface Prep: Sand primer well with 320-400 grit sandpaper. Topcoat within 8 hours of sanding.
Use Directions: For interior use only. Add hardener and reducer then mix thoroughly before application. Stack only when the surface temperature is below 35° C / 95 ° F. Dry time can be directly impacted by many factors, including film thickness. Users are urged to test the system under shop conditions.
App. Equip.: Conventional & HVLP Siphon and Gravity Feed and Pressure Pot Systems and Airless Air Assist Equipment.
Tinting: Can be tinted with Chroma Chem 844 colorants to a maximum of 10% total colorant. Do not use umber pigments. Prior to application, test a sample piece to ensure proper color match.
Ind. Standards: This product meets the Conversion Varnish Opaque quality standard for AWI. It also meets KCMA and CKCA standards.

DRYING TIMES TO SAND / STACK / RECOAT WINDOW:

Method	Drying Temp.	Drying Time (@ 60 % RH and thickness @ 1 mil dry)
Air Drying	20° C / 68° F	2-4 hours dry to sand / 5-6 hr. dry to stack / recoat window: within 8 hours
Forced Drying	70° C / 158° F	

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APPLICATION RECOMMENDATIONS:
APPLICATION EQUIPMENT SETTINGS

Method of Application	Wet Film		Dry Film	
	Mils	g/m ²	Mils	Microns
Conventional – Siphon Fed	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	61-76 microns
Conventional – Pressure Pot	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	61-76 microns
Airless Air Assist	4– 5 mils	100-125 g/m ²	2.4-3.0 mils	61-76 microns
HVLP - Siphon Fed	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	61-76 microns
HVLP - Pressure Pot	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	61-76 microns

All measurements and application equipment settings are based on application at a temperature of 68°F. Viscosity will vary depending on the temperature of the liquid. The application equipment setting recommendations are guidelines only. The settings are starting point recommendations and adjustments to the equipment settings and equipment may be needed to obtain the desired results. Please refer to your specific equipment manufacturer's recommendations for equipment set-up.

REDUCTION – TIP SIZE – PSI SETTINGS
Conventional Equipment Siphon Feed:

Reduce to 18-27 seconds #4 ford viscosity cup, nozzle size 0.070 inches (1.8mm) – 0.08 inches (2.0 mm), atomizing air 40 psi (2.8bar)–50 psi (3.5 bar).

Conventional Equipment Pressure Pot:

Reduce to 18-27 seconds #4 ford viscosity cup, nozzle size 0.472 inches (1.2mm) – 0.055 inches (1.4 mm), atomizing air 40 psi(2.8 bar)–50 psi (3.5 bar), Pot pressure 7 psi (0.48 bar) to 10 psi (0.68 bar)

Airless Air Assist Equipment:

Reduce to 18-27 seconds #4 ford viscosity cup, tip size.011inches (0.28mm) - .013 inches (0.33mm), fluid pressure 290 psi (20 bar) – 580psi(40 bar), atomizing air 11psi (0.8 bar) to 17psi (1.2 bar).

HVLP Equipment Siphon Feed:

Reduce to 17-27 seconds #4 ford viscosity cup,.061inch (1.5mm) -.072inch (1.8MM) nozzle, atomizing air 35psi (2.4bar) -45 psi (3.1bar).

HVLP Equipment Pressure Pot:

Reduce to 17-27 seconds #4 ford viscosity cup,0.472 inches (1.2mm) – 0.055 inches (1.4 mm) nozzle, atomizing air 20psi (1.37 bar) -25 psi (1.72 bar). Pot pressure 7 psi (0.48 bar) to 10 psi (0.68 bar)

PRODUCT NOTES

- Matador™ White can be custom color matched and is available in several gloss ranges.
- Matador™ White has excellent application properties with very good verticle hang, excellent flow and a short flash-off time.
- To improve the flow, add Thinner 419 at 3-5%.
- Maximum recommended dry film thickness for total coating system is 7 dry mils. Heavier film build may cause cracking.
- **Temperatures must be above 68°F during application and cure to ensure acceptable coating properties.**
- Adhesion and compatibility testing is recommended when top coating Matador™ White with alkyd paints.
- Matador™ White must be catalyzed 12% by volume with the recommended catalyst. Do not over catalyze as this may cause cracking over time.

CONTACTS:

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TESTING: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

FOR INDUSTRIAL SHOP APPLICATION: Thoroughly review Material Safety Data Sheet (MSDS) for safety information and cautions prior to using this product. For Regulatory compliance data (i.e. VOC, HAPS, etc.), obtain an Environmental Data Sheet (EDS) prior to using the product. A MSDS and/or EDS is available from your local distributor or representative. Please direct any questions or comments to 1-800-524-5979.

NOTE: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, AcromaPro cannot make any warranties as to the end result.