

MATADOR™ TINT BASE E

DH564001X (20,40,60,80 Gloss)

DESCRIPTION

Matador™ Tint Base E is a 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 Beryll™ Surfacer White or Beryll™ Unisurfacer. It's chemical and moisture resistance characteristics make it an ideal finishing system for kitchen cabinets, bath vanities and furniture. Matador™ Tint Base E allows for custom color matching of darker colors.

HIGHLIGHTS

- » **Harder Curing**
- » **Improved Flow**
- » **Excellent Sanding Properties**
- » **Improved Defoaming**
- » **Nice, Even Gloss**
- » **HAPS Free Solvent System**
- » **Faster Dry Time**
- » **Can be Tinted**
- » **Passes KCMA**

PRODUCT DATA:

Colour:	Wet: Clear Dry: Clear	VOC (as packaged, maximum, less water and exempt solvents):	421 g/l or 3.52 lbs/gal
Solids % by Vol.:	51 % (Theoretical)	VOC (emitted):	421 g/l or 3.52 lbs/gal
Solids % by Wt.:	58 % (Theoretical)	Lbs. VHAPs / Lbs. Solids:	zero
Weight / Gal.:	8.82 lb/gal	Flash Point (PMCC):	13° C / 55 ° F
Viscosity 23°C / 73°F:	#4 Ford: N/A Sec.	Photo Chemically Reactive:	No
Viscosity 23°C / 73°F:	DIN 4: 30-32 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	977 Sq. Ft./Gal. 100% Efficiency

MIXING / APPLICATION:

Working Temp: >18° C, 65° F substrate, coating and air
Hardener: 2750 Regular Solvent; 494 Slow Solvent; 309 HAPs Free Solvent
Catalyzation: 13 – 16 % Parts by volume (see notes)
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. Thinner is not normally required.
Sealer: Can be self sealed or used as a topcoat over Becker's post catalysed 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 colourant. Prior to application test a sample piece to assure proper colour match. Do not use Umber pigments.
Ind. Standards: This product meets the System 5 - 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

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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	60-76 microns
Conventional – Pressure Pot	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	60-76 microns
Airless Air Assist	4– 5 mils	100-125 g/m ²	2.4-3.0 mils	60-76 microns
HVLP - Siphon Fed	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	60-76 microns
HVLP - Pressure Pot	4 – 5 mils	100-125 g/m ²	2.4-3.0 mils	60-76 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™ Tint Base E can be custom color matched and is available in several gloss ranges.
- Matador™ Tint Base E has excellent application properties with very good verticle hang, excellent flow and a short flash-off time.
- 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..
- To improve the flow, add Thinner 419 at 3-5%.
- Some alkyd paints are affected when applied over acid catalyzed coatings, and may not cure at all. Testing is recommended.
- For optimum drying under different conditions, it may be necessary to vary the catalyst level for Matador™ Tint Base. The recommended range for catalyst addition is 13 to 16 % by volume

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.