

# MiraVar™ Plus 550

## OPAQUE CONVERSION VARNISH WHITE

Product Code: **310745**

MiraVar™ Plus 550 Conversion Varnish White is a two-part, opaque conversion varnish ideal for interior wood cabinetry where a flawless finish is required.

### Ideal For

- Kitchen cabinets
- Bathroom cabinets
- Wood placed in high moisture areas
- Residential table and bar tops
  
- Exceeds KCMA performance tests
- NESHAP compliant - JJ (furniture)
- NESHAP compliant - QQQQ (doors & windows)

### Benefits

- Non-yellowing
- Excellent water and chemical resistance
- Exceptional abrasion and mar resistance
- 24 hour pot life
- Superior hang
- High build
- Outstanding hide
- Excellent flow, leveling and sandability
- Tintable
- Ready-to-spray viscosity
- Ultra low 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 contaminates.

**APPLICATION EQUIPMENT:** This product is designed for spray application through all types of equipment. Mixing or pumping equipment that is in constant contact with Conversion Varnish should be constructed of stainless steel or other anti-corrosive material. Recommended settings below are with trigger pulled.

|            |  |
|------------|--|
| Airless    | No thinning required.<br>Spray at 1000 or 1200 psi<br>411 or 513 tip                                   |
| Air Assist | No thinning required.<br>Spray at 700 to 900 psi fluid pressure<br>10-12 psi air cap<br>411 or 513 tip |
| HVLP       | Thin 10-20% with recommended thinner.<br>Spray at 28 psi through a 1.4 fluid nozzle                    |

**THINNING:** This product is designed to spray at package viscosity with most application equipment. Thinning requirements may vary with changes in temperature and spray room conditions. If thinning is desired, use 650870 Lacquer Thinner, 652081 VOC Exempt Lacquer Thinner, 652210 No-HAP Lacquer Thinner, or Acetone.

*Note: Thinning will reduce film build and may increase VOCs or HAPs, unless using VOC exempt or HAP-free solvents.*

**AGITATION:** This product must be kept under slow, constant agitation, to ensure proper mixing.

**CLEAN UP:** Use lacquer thinner compliant with local air quality rules and regulations.

## FINISHING SYSTEM

**MIXING DIRECTIONS:** Add 3% (4 fluid ounces) of Rudd 03-143 Catalyst per gallon. Stir well during and after adding catalyst.

**POT LIFE:** 1 day (24 hours) @ 65-70°F.

**SEAL:** Apply one coat (4-6 mils wet) of Rudd 310704 MiraVar 550 Opaque Sealer or MiraVar Plus 550 as its own sealer. Allow to dry 30-40 minutes\*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

**FINISH:** Apply one or two coats (3-5 mils wet) of MiraVar Plus 550. Allow to dry 40 minutes between coats. Sand between all coats with 220/320 grit silicon carbide sandpaper.

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

\*Dry times may 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.

**Flammable Liquid and Vapor:** Keep away from heat, sparks and flame. Ensure adequate ventilation during use. Clean up spills with non-sparking tools and inert absorbent material. Store solvent and lacquer soaked rags and filters in water-filled, closed containers prior to disposal. Dispose of in safe, approved manner.

Read Safety Data Sheet (SDS) and label before using.

**FINISH PERFORMANCE TESTING****KCMA**

|                   |   |
|-------------------|---|
| Vinegar           | No Visual Effect  |
| Lemon Juice       | No Visual Effect  |
| Orange Juice      | No Visual Effect  |
| Grape Juice       | No Visual Effect  |
| Catsup            | No Visual Effect  |
| Olive Oil         | No Visual Effect  |
| 100 Proof Alcohol | No Visual Effect  |
| Hot Coffee        | No Visual Effect  |
| Edge Soak         | Passed 24 hr KCMA test with no softening, discoloration or film defects |
| Cold Check        | Passed 20 cycles @ 5 mils dry film                                      |

**OTHER**

|                 |  |
|-----------------|--|
| MEK Resistance  | 200+ single rubs showed no removal of finish |
| Hot Water Ring  | Slight marking at 190° F after 1 hour        |
| Pencil Hardness | Pass B                                       |
| Mar Resistance  | Excellent                                    |
| Adhesion        | Excellent                                    |

**SPECIFICATIONS**

|                                      |   |
|--------------------------------------|---|
| Coverage                             | 675-700 square feet per gallon @ 1 mil dry film   |
| Viscosity                            | 28 - 34 Seconds<br>(#2 Zahn @ 75° F)  |
| Sag Resistance                       | 5 mils vertical @ 65-70°F   |
| Solids*                              | 58.2 - 60.9% by weight<br>5.57 - 5.96 lbs per gallon  |
| VOC*<br>(Volatile Organic Compounds) | Calculated: 459 -480 g/l<br>(3.83 -4.00 lb/gal)<br>Catalyzed <485 g/l (4.05 lb/gal)   |
| HAP*<br>(Hazardous Air Pollutants)   | Pounds HAP per Gallon: 0.0511—0.0528<br>Pounds HAP per Pound Solids:<br>< 0.8 (actual 0.0088—0.0095)<br>Pounds HAP per Volume Solids:<br><0.48 (actual 0.1171—0.1245) |
| Dry to Sand                          | 40 minutes @ 65-70°F  |
| Block Free                           | 24 hours @ 5 mils wet   |

\*Variations depend on gloss

CAUTION: Thinning will reduce film build and increase VOCs.

\*\*\* Contact your Sales Representative for available stock sheens and package sizes.\*\*\*

**APPLICATION PRECAUTIONS**

MiraVar Plus 550 Opaque Conversion Varnish can be used as a self seal system or as a topcoat over MiraVar 550 Opaque Sanding Sealer.

Do not use alkaline based products to clean surfaces finished with MiraVar Plus 550 Opaque Conversion Varnish.

This product MUST be sanded between all coats to ensure proper adhesion. This product MUST be re-coated within 8 hours of being sanded.

Tint only with Colortools™ or 844 Colorants. Do not exceed 8 fl. oz. of colorant per gallon of coating.

This product is not recommend for exterior use.

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.

For best results, use within 12 months of manufactured date.

Designed for professional use by spray application only.

**Shipping & Storage Information**

**Flash Point:** 45°F Pensky-Martin

**OSHA Flammability Class:** Flammable Liquid—Class IB

**DOT Class:** Paint, 3, UN 1263, PG II



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