



PRODUCT DATA SHEET

“V” Series White Conversion Varnish

V7323-1 Gloss (90°) V7336-50 Satin (25°)
 V7326-2 Semi Gloss (60°) V7428-41 Flat (10°)

| DESCRIPTION | CHARACTERISTICS | SPECIFICATIONS |
|---|---|--|
| <p>“V” Series White Conversion Varnish is a premium quality, pure white, high performance, two component synthetic coating that is specifically formulated for use on kitchen and bathroom cabinets, institutional furniture, and any other interior wood surface where there is a need for maximum durability. It may be used self-sealing or if a primer is desired, apply one coat of 110-0005 Gem prime White Precatalyzed Primer or one coat of 150-0002 Gem Prime White Conversion Primer and one or two coats of “V” Series White Conversion Varnish. “V” Series varnishes address environmental and safety concerns by its low HAPs and VOC formulations. This product meets all of the pertinent government regulations regarding emissions and exceeds the performance parameters outlined by KCMA and ASTM.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ➤ HAPs & AIM Compliant ➤ User Friendly ➤ Controlled Tint Strength ➤ Can be Tinted to Virtually any Pastel Color Using Industrial Colorants ➤ Extremely Durable and Moisture Resistant ➤ Resists Yellowing ➤ Self-Sealing ➤ No Critical Recoat time ➤ Catalyst Supplied in Pre-Measured Containers ➤ AWI OP-4 When Applied Self-Sealing ➤ AWI OP-5 When Applied Over Gem Prime White Conversion Primer ➤ Exceeds KCMA and ASTM Performance Requirements, When Applied to Manufacturer’s Specifications | <p>Viscosity: V7323,26,36: 19-22 #4 Ford V7428: 32 #2 Zahn</p> <p>Weight Solids: 54 – 56%</p> <p>Volume Solids: 38 –39%</p> <p>Weight/Gallon: 9.46-9.84 lbs/gal</p> <p>Film Hardness: B-HB Overnight</p> <p>VOC (Reg/coating): 4.34 lbs/gal or 520 g/l</p> <p>VOC (Act./material): 4.34 lbs/gal or 519 g/l</p> <p>HAPs: .32-.37</p> <p>Coverage: 616 – 626 sq. ft per gallon at 1 mil dry film thickness</p> <p>Catalyst: 4.46 oz C7302 per 120 ounces 4.76 oz C7302 per 128 ounces</p> <p>Dry Time: To touch: 30 minutes To handle: 2 hours To recoat: 2 hours To pack: 24 hours(<i>Note: relative humidity and temperature will effect dry time</i>)</p> <p>Short Fill: 120 ounces</p> <p>Pot Life: 12 hours after catalyzation.</p> <p>Shelf Life: 12 months if uncatalyzed, unopened and stored in a cool dry area. Always rotate stock.</p> | <p>Surface Preparation: New wood: Remove any dirt, grease, glue or other contaminants and sand wood as required. Moisture content of wood should be 7-9%. Old wood: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish as new work.</p> <p>Material Preparation: Catalyze “V” Series White Conversion Varnish with pre-packaged catalyst kit in a stainless steel or plastic lined container. Mix or agitate thoroughly before use. Reduction may be required for certain types of application. SOL-9011 HAPs Free Thinner should be used for reduction. If a slower dry time is desired, use only SOL-9012 HAPs Free Retarder.</p> <p>Application: “V” Series White Conversion Varnish is designed for spray application. Temperature will effect viscosity. All products are designed to achieve the highest possible solids content at a viscosity low enough to allow proper spray atomization without the addition of costly chemical solvents. We recommend a coating system comprised of 2-3 coats of varnish at 3-4 mils wet film build per coat. For the first coat a high quality Conversion Vinyl Primer like Gem Prime White Precat prime or Gem Prime White C.V Primer may be substituted. Maximum dry film thickness should not exceed four mils.</p> <p>Clean Up: Use #500 Gem Coat Lacquer Thinner or SOL-9011 HAPs Free Lacquer Thinner to clean all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.</p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p> |

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CAUTION: DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN! BEFORE using this product it is essential that the “Material Safety Data Sheet” describing the product as well as the “Product Label” be reviewed. If your company does not have such information or has any questions, contact the manufacturer.

Date: Nov 09

Product Performance:

The **KCMA (Kitchen Cabinet Manufacturers Association)** test was conducted with the test panel in a vertical position. Each test panel was prepared as specified in the application instructions above. 3cc's of each chemical were placed on the coated surface and allowed to remain there for a period of 24 hours, with the exception of mustard, which was removed from the panel after one hour.

The **ASTM (American Society for Testing Materials)** test was conducted with the test panel in a horizontal position. Each test panel was coated as specified in the application instructions above. 3cc's of each chemical were placed on the coated surface and contained there by the use of a watch glass for a period of sixteen hours unless otherwise indicated.

The **AWI (Architectural Woodwork Institute) Chemical Resistance Test** is conducted by containing the test panel in a horizontal position while applying 1 milliliter of various chemicals to the surface of the coating. Each chemical is maintained at its respective location on the panel by the use of a watch glass. All chemicals are allowed to remain in contact with the coating surface for a period of 16 hours unless otherwise indicated.

Each chemical is then evaluated for its impact upon the coated surface, which includes such parameters as loss of gloss, discoloration, blistering, and delamination. The chemicals used and their respective effects upon the coating are as follows:

| | KCMA Test | | ASTM Test | | AWI Test | |
|------------------------------|-----------------|---------------|--------------------|---------------|------------------------|---------------|
| | Initial Results | Final Results | Initial Results | Final Results | Initial Results | Final Results |
| Catsup | No Damage | No Damage | No Effect @ 1hr | No Damage | N/A | N/A |
| Vinegar | No Damage | No Damage | No Damage | No Damage | N/A | N/A |
| Alcohol | No Damage | No Damage | No Damage | No Damage | N/A | N/A |
| Olive Oil | No Damage | No Damage | No Damage | No Damage | No Damage | No Damage |
| 2% Ammonia | No Damage | No Damage | No Damage | No Damage | N/A | N/A |
| Lemon Juice | No Damage | No Damage | No Damage | No Damage | No Damage | No Damage |
| Coffee | No Damage | No Damage | No Effect @ 15 min | No Damage | No Damage @ 15 minutes | No Damage |
| Mustard | No Damage | No Damage | Discoloration | No Recovery | Discoloration | No Recovery |
| Water | No Damage | No Damage | No Damage | No Damage | N/A | N/A |
| Motor Oil | N/A | N/A | No Damage | No Damage | N/A | N/A |
| Lighter Fluid | N/A | N/A | No Damage | No Damage | N/A | N/A |
| 1% Palmolive Solution | N/A | N/A | No Damage | No Damage | No Damage | No Damage |
| 1% Tide Solution | N/A | N/A | No Damage | No Damage | N/A | N/A |
| 4% Sodium Hydroxide | N/A | N/A | N/A | N/A | No Damage @ 1 hour | No Damage |
| 10% Sodium Hydroxide | N/A | N/A | N/A | N/A | No Damage @ 1 hour | No Damage |
| 28% Ammonia | N/A | N/A | N/A | N/A | No Damage | No Damage |
| 10% Sodium Phosphate | N/A | N/A | N/A | N/A | No Damage | No Damage |
| 95% Ethyl Alcohol | N/A | N/A | N/A | N/A | No Damage | No Damage |
| Tomato Juice | N/A | N/A | N/A | N/A | No Damage @ 15 minutes | No Damage |
| 50% Sulfuric Acid | N/A | N/A | N/A | N/A | No Damage | No Damage |
| Nail Polish Remover | N/A | N/A | N/A | N/A | No Damage @ 1 hour | No Damage |
| Glacial Acetic Acid | N/A | N/A | N/A | N/A | No Damage @ 1 hour | No Damage |

KCMA 9.2 Hot & Cold Check Resistance Test:

All panels passed 21 cold check cycles (cycling from 120 °F. to -5°F. and 70% Relative Humidity to zero Relative Humidity).

KCMA 10.0 Detergent & Water Resistance Test: