



PRODUCT DATA SHEET

Gem Cryl[®] White Acrylic Lacquer

400-0023 Gloss (90°)

400-0025 Satin (30°)

400-0024 Semi-Gloss (60°)

400-0026 Flat (10°)

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS
<p>White CAB Acrylic Lacquers are engineered specifically to be used in areas where color stability and U.V. Resistance are necessary. They outperform standard pigmented acrylic lacquers in the area of clarity and U.V. resistance. This system can be used as a self-sealing system or over this 100-0019 White Acrylic Sealer.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ➤ User Friendly ➤ HAPs Compliant ➤ Good Mar Resistance ➤ Good Moisture and Chemical Resistance ➤ Silky Smooth Feel ➤ Good Hiding and Coverage ➤ Can be Tinted to Virtually any Color Using Industrial Colorants ➤ Meets or Exceeds ASTM and KCMA Performance Requirements When Applied to Manufacturer's Specifications. ➤ AIM Compliant ➤ Contains U.V. absorbers. ➤ Resists Yellowing ➤ Non Photo Chemically Reactive 	<p>Viscosity: 26 seconds #2 Zahn</p> <p>Weight Solids: 31-34%</p> <p>Volume Solids: 18-19%</p> <p>Weight/Gallon: 8.29-8.62 lbs/gal.</p> <p>VOC(Actual/Material): 4.90-5.16 lb/gl or 587-618 g/l</p> <p>VOC (Reg./Coating): 5.53-5.65 lb/gl or 663-677 g/l</p> <p>HAPs: .3459-.4298</p> <p>Film Hardness: 3B Overnight</p> <p>Coverage: 295-315 Sq. Ft. per gallon at one mil dry film thickness</p> <p>Dry Time: 20 minutes</p> <p>Shelf Life: 12 months if unopened and stored in a cool dry area. Always rotate stock.</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>	<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>Application: Because of the short dry time this product must be applied with professional spray equipment. This product is used as a self-sealing system. When used as a self-sealing system we recommend no more than 3 coats and not to exceed 4 mils wet film build per coat. When used in conjunction with our white acrylic sealer (100-0019) we recommend 1 coat of white acrylic sealer not to exceed 3 mils wet film build and no more than 2 coats of White CAB Acrylic not to exceed 4 mils wet film build per coat. Total dry film build of the complete coating system is not to exceed 3 mils.</p> <p>Reducer: Reduce as required with SOL-9011 HAPS free thinner.</p> <p>Clean Up: Use Acetone or Zero VOC lacquer thinner to clean all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.</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: Oct.-06

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 Damage @ 1 hour	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		
2% Ammonia	No Damage	No Damage	No Damage @ 1 hour	No Damage	N/A	N/A
Lemon Juice	No Damage	No Damage	No Damage	No Damage		
Coffee	Slight discoloration	No recovery	Slight discoloration	No recovery		
Mustard	Slight discoloration	No recovery	Slight 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		
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		
10% Sodium Hydroxide	N/A	N/A	N/A	N/A		
28% Ammonia	N/A	N/A	N/A	N/A		
10% Sodium Phosphate	N/A	N/A	N/A	N/A		
95% Ethyl Alcohol	N/A	N/A	N/A	N/A		
Tomato Juice	N/A	N/A	N/A	N/A		
50% Sulfuric Acid	N/A	N/A	N/A	N/A		
Nail Polish Remover	N/A	N/A	N/A	N/A		
Glacial Acetic Acid	N/A	N/A	N/A	N/A		

KCMA 9.2 Hot and 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:

Passes 24 hours