



MEGAVAR[®] Elite

CONVERSION VARNISH

1MV-00XX (1MC-700 CATALYST)

Features

- Fast Cure
- Water Clear
- Exceeds KCMA Standards
- High Solid Content
- Containers Short Filled To Allow For Catalyst
- Use Self-Sealing Or With Companion Sealer
- Ready To Spray Viscosity
- Excellent UV Resistance
- 24 Hour Pot Life
- Non Photo Chemically Reactive
- Phthalate Free

General Description

Lenmar[®] 1MV-00XX MegaVar[®] Elite is a superior quality, state of the art, water clear conversion varnish formulated for fast cure and ease of use. Because this product does not contain nitrocellulose, it exhibits excellent resistance to UV light. The cure profile of this product allows for fast throughput of parts through your shop, saving time in production.

Recommended For

Kitchen Cabinets, Bathroom Vanities, Bar Tops, Office Furniture, Displays & Fixtures, Commercial Cabinets.

Limitations

- Entire system not to exceed 6 mils dry.

Product Information

<p>Colors — Standard: Clear</p> <p>Tint Bases: N/A</p> <p>Special Colors: N/A</p> <p>Available Sheens</p> <table border="0"> <tr><td>1MV-0090</td><td>Gloss</td></tr> <tr><td>1MV-0060</td><td>Semi-Gloss</td></tr> <tr><td>1MV-0030</td><td>Satin</td></tr> <tr><td>1MV-0020</td><td>Dull</td></tr> <tr><td>1MV-0010</td><td>Flat</td></tr> <tr><td>1MV-0005</td><td>Dead Flat</td></tr> </table> <p>Technical Assistance: Available through your local authorized independent Lenmar dealer. For the location of the dealer nearest you, call 1-877-299-3600 or visit www.lenmar-coatings.com</p>	1MV-0090	Gloss	1MV-0060	Semi-Gloss	1MV-0030	Satin	1MV-0020	Dull	1MV-0010	Flat	1MV-0005	Dead Flat	<table border="1"> <thead> <tr> <th colspan="2">Technical Data</th> <th>Clear</th> </tr> </thead> <tbody> <tr><td>Generic Type</td><td></td><td>Alkyd/Urea</td></tr> <tr><td>Weight Solids</td><td></td><td>38.9-43.6%</td></tr> <tr><td>Volume Solids</td><td></td><td>31.2-34.4%</td></tr> <tr><td>Coverage per Gallon @ 1 mil dry</td><td></td><td>500-551.1 sq. ft.</td></tr> <tr><td>Recommended Film Thickness</td><td>– Wet</td><td>3 – 4 mils</td></tr> <tr><td></td><td>– Dry</td><td>0.9 – 1.3 mils</td></tr> <tr><td colspan="3">Coverage calculation does not include spray loss or equipment inefficiency. Also allow for wood species, surface preparation, surface defects and porosity of substrate to affect spread rates.</td></tr> <tr><td>Dry Time @ 75 °F (23.8 °C) @ 50% RH</td><td>– To Touch</td><td>8 – 10 Minutes</td></tr> <tr><td></td><td>– To Sand/Recoat</td><td>30 – 35 Minutes</td></tr> <tr><td>Dries By</td><td></td><td>Chemical Reaction</td></tr> <tr><td>Viscosity @ 77 °F</td><td></td><td>19-24 Sec (#2 EZ Zahn)</td></tr> <tr><td>Surface Temperature at Application</td><td>– Min.</td><td>68 °F (20 °C)</td></tr> <tr><td></td><td>– Max.</td><td>90 °F (32.2 °C)</td></tr> <tr><td colspan="3">Surface must be dry and at least 5° above the dew point</td></tr> <tr><td>Thin With</td><td></td><td>1A-406 Thinner</td></tr> <tr><td>Clean Up Thinner</td><td></td><td>1A-406 or 1A-519 Lacquer Thinner</td></tr> <tr><td>Catalyst Mix Ratio (by volume)</td><td></td><td>1MC-700 @ 10%</td></tr> <tr><td>Pot Life @ 77 °F</td><td></td><td>24 Hours</td></tr> <tr><td>Weight Per Gallon</td><td></td><td>8.0-8.3 lbs</td></tr> <tr><td>Storage Temperature</td><td>– Min.</td><td>50 °F (10 °C)</td></tr> <tr><td></td><td>– Max.</td><td>90 °F (32.2 °C)</td></tr> <tr><td colspan="3">VOC and HAPs information</td></tr> <tr><td colspan="3">VOC (reg./coating): 4.2-4.4 lbs./gl. or 501-527g/l</td></tr> <tr><td colspan="3">VOC (act/material): 3.5-3.6 lbs./gl. or 418-434.9 g/l</td></tr> <tr><td colspan="3">VOC Ratio: 0.97-1.15 lbs. VOC/lbs. Solid</td></tr> <tr><td colspan="3">HAPS Ratio: 0.05-0.057 lbs. HAPS/lbs. Solid</td></tr> </tbody> </table>	Technical Data		Clear	Generic Type		Alkyd/Urea	Weight Solids		38.9-43.6%	Volume Solids		31.2-34.4%	Coverage per Gallon @ 1 mil dry		500-551.1 sq. ft.	Recommended Film Thickness	– Wet	3 – 4 mils		– Dry	0.9 – 1.3 mils	Coverage calculation does not include spray loss or equipment inefficiency. Also allow for wood species, surface preparation, surface defects and porosity of substrate to affect spread rates.			Dry Time @ 75 °F (23.8 °C) @ 50% RH	– To Touch	8 – 10 Minutes		– To Sand/Recoat	30 – 35 Minutes	Dries By		Chemical Reaction	Viscosity @ 77 °F		19-24 Sec (#2 EZ Zahn)	Surface Temperature at Application	– Min.	68 °F (20 °C)		– Max.	90 °F (32.2 °C)	Surface must be dry and at least 5° above the dew point			Thin With		1A-406 Thinner	Clean Up Thinner		1A-406 or 1A-519 Lacquer Thinner	Catalyst Mix Ratio (by volume)		1MC-700 @ 10%	Pot Life @ 77 °F		24 Hours	Weight Per Gallon		8.0-8.3 lbs	Storage Temperature	– Min.	50 °F (10 °C)		– Max.	90 °F (32.2 °C)	VOC and HAPs information			VOC (reg./coating): 4.2-4.4 lbs./gl. or 501-527g/l			VOC (act/material): 3.5-3.6 lbs./gl. or 418-434.9 g/l			VOC Ratio: 0.97-1.15 lbs. VOC/lbs. Solid			HAPS Ratio: 0.05-0.057 lbs. HAPS/lbs. Solid		
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MegaVar® Elite Conversion Varnish 1MV-00XX

Application:

LENMAR PRODUCTS ARE DESIGNED FOR INTERIOR USE, BY SPRAY APPLICATION ONLY.

Recommended System:

Catalyzing: 1MV-00XX Series requires the addition of 10% (by volume) 1MC-700 Catalyst, prior to use. Containers are already short-filled to allow for the addition of catalyst*.

For gallon containers-Add one pre-measured 11.6 oz. bottle of 1MC-0700 per short-filled gallon

For 5 gallon pails. Add 58 oz of 1MC-700 per short-filled pail.

*Gallon *Fill level is 116 oz.*

*Five Gallon *Fill level is 580 oz*

MIXING Chart for small amounts

1MV-00XX	1MC-700
128 oz	12.8 oz
100 oz	10 oz
40 oz	4 oz
30 oz	3 oz
10	1 oz

NOTE: DO NOT add more than the recommended amount of catalyst! This will *not* make the product cure faster or harder and may cause cracking, haziness, gloss issues, and *will* affect the integrity of the final product.

Reduction:

Important: Always catalyze *BEFORE* reducing!

Thinning: This product is supplied ready to spray (after catalyzation). If needed due to conditions in your facility, use 1A-406 at levels not to exceed 5-10% by volume.*

Retarder: If a slightly slower dry time is desired, use 1A-106 at levels not to exceed 5% by volume.*

*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.

Application: Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum 30-35 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. This product must be sanded in between coats to ensure proper adhesion.

Typically we recommend a coating system comprised of one coat of 1MCS-0100 sealer applied at 3-4 mils wet film build, and 1-2 coats of topcoat applied at 3-4 mils wet film build.

This product may also be used as a self-seal system. Used as a self-seal system, we recommend 2-3 coats applied at 3-4 wet mils per coat. Maximum dry film thickness of the complete system **must not exceed 6 dry mils.**

Substrate Preparation

New wood: Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%.

Sand to 150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.

Old wood: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish same as new wood.

These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer's products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations.

Equipment:

All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts.

Containers:

We supply this material in a lined container. All containers used in conjunction with storage and/or application of this product must be stainless steel, plastic, or otherwise acid resistant.

Clean up:

Use 1A-406 or 1A-519 Lacquer Thinner to clean up all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

Storage: Store locked up. Store in a well-ventilated place, keep container tightly closed. Keep away from heat or sparks.

Disposal: Dispose of contents/container to an approved waste disposal plant.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.



WARNING Cancer and Reproductive Harm—
www.P65warnings.ca.gov

**FOR PROFESSIONAL USE ONLY
KEEP OUT OF REACH OF CHILDREN**

**FOR WOOD SUBSTRATES ONLY
FOR INTERIOR USE ONLY**

**THIS PRODUCT IS INTENDED FOR SHOP OR
OEM APPLICATION ONLY.**

**READ ALL DIRECTIONS BEFORE USE.
UNDERSTAND ALL DANGERS WITH THIS
PRODUCT PRIOR TO USE.**

**Refer to Safety Data Sheet for
additional health and safety information.**