



# MEGAVAR<sup>®</sup> Elite

## CATALYZED SEALER

### 1MCS-0100 (1MC-700 CATALYST)

#### Features

- Exceeds KCMA Standards
- High Solid Content
- Containers Short Filled To Allow For Catalyst
- Excellent UV Resistance
- Ready To Spray Viscosity
- Sands Easily
- 24 Hour Pot Life
- Non Photo Chemically Reactive
- Phthalate Free

#### General Description

Lenmar<sup>®</sup> 1MCS-0100 MegaVar<sup>®</sup> Elite Catalyzed Sealer is a state of the art, non-yellowing, catalyzed sanding sealer offering excellent durability, sanding, and ease of use for the professional finisher. The high solids content helps protect the color of stained wood when sanding, and provides an excellent surface for subsequent coats.

#### 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

| <b>Colors — Standard:</b><br>Clear   | <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>41% ± 1.0%</td> </tr> <tr> <td>Volume Solids</td> <td></td> <td>32.6+/- 1.0%</td> </tr> <tr> <td>Coverage per Gallon @ 1 mil dry</td> <td></td> <td>522.5 sq. ft.</td> </tr> <tr> <td>Recommended</td> <td>– Wet</td> <td>3 – 4 mils</td> </tr> <tr> <td>Film Thickness</td> <td>– Dry</td> <td>0.9 – 1.3 mils</td> </tr> </tbody> </table>   | Technical Data      |                   | Clear          | Generic Type       |                       | Alkyd/Urea      | Weight Solids                      |        | 41% ± 1.0%    | Volume Solids  |        | 32.6+/- 1.0%    | Coverage per Gallon @ 1 mil dry                         |  | 522.5 sq. ft. | Recommended                               | – Wet          | 3 – 4 mils | Film Thickness                               | – Dry                            | 0.9 – 1.3 mils |                                |               |  |                  |          |  |                   |         |  |
|--|--|---------------------|-------------------|----------------|--------------------|-----------------------|-----------------|------------------------------------|--------|---------------|--|--------|-----------------|---|--|---------------|---|----------------|------------|--|----------------------------------|----------------|--------------------------------|---------------|--|------------------|----------|--|-------------------|---------|--|
| Technical Data   |  | Clear               |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| Generic Type   |  | Alkyd/Urea          |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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| Volume Solids  |  | 32.6+/- 1.0%        |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| Coverage per Gallon @ 1 mil dry  |  | 522.5 sq. ft.       |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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| Film Thickness   | – Dry  | 0.9 – 1.3 mils      |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| <b>Tint Bases:</b><br>N/A  | <p>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.</p>   |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| <b>Special Colors:</b><br>N/A  | <table border="1"> <tbody> <tr> <td>Dry Time @ 75 °F</td> <td>– To Touch</td> <td>8 – 10 Minutes</td> </tr> <tr> <td>(23.8 °C) @ 50% RH</td> <td>– To Sand/Recoat</td> <td>30 – 35 Minutes</td> </tr> </tbody> </table>  | Dry Time @ 75 °F    | – To Touch        | 8 – 10 Minutes | (23.8 °C) @ 50% RH | – To Sand/Recoat      | 30 – 35 Minutes |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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| (23.8 °C) @ 50% RH   | – To Sand/Recoat   | 30 – 35 Minutes     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| <b>Available Sheens</b><br>N/A   | <table border="1"> <tbody> <tr> <td>Dries By</td> <td colspan="2">Chemical Reaction</td> </tr> <tr> <td>Viscosity @ 77 °F</td> <td colspan="2">22 – 24 Sec (#2 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 colspan="2">1A-406 Thinner</td> </tr> <tr> <td>Clean Up Thinner</td> <td colspan="2">1A-406 or 1A-519 Lacquer Thinner</td> </tr> <tr> <td>Catalyst Mix Ratio (by volume)</td> <td colspan="2">1MC-700 @ 10%</td> </tr> <tr> <td>Pot Life @ 77 °F</td> <td colspan="2">24 Hours</td> </tr> <tr> <td>Weight Per Gallon</td> <td colspan="2">8.1 lbs</td> </tr> </tbody> </table> | Dries By            | Chemical Reaction |                | Viscosity @ 77 °F  | 22 – 24 Sec (#2 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 | 8.1 lbs |  |
| Dries By   | Chemical Reaction  |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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|  | – Max.   | 90 °F (32.2 °C)     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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| Thin With  | 1A-406 Thinner   |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| Clean Up Thinner   | 1A-406 or 1A-519 Lacquer Thinner   |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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| Pot Life @ 77 °F   | 24 Hours   |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| Weight Per Gallon  | 8.1 lbs  |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
| <b>Technical Assistance:</b><br>Available through your local authorized independent Lenmar dealer. For the location of the dealer nearest you, call 1-877-299-3600 or visit <a href="http://www.lenmar-coatings.com">www.lenmar-coatings.com</a> | <table border="1"> <tbody> <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"><b>VOC and HAPs information</b></td> </tr> <tr> <td colspan="3"><b>VOC (reg./coating):</b> 4.33 lbs./gl. or 519.1g/l</td> </tr> <tr> <td colspan="3"><b>VOC (act/material):</b> 3.6 lbs./gl. or 432.9 g/l</td> </tr> <tr> <td colspan="3"><b>VOC Ratio:</b> 1.0 lbs. VOC/lbs. Solid</td> </tr> <tr> <td colspan="3"><b>HAPS Ratio:</b> 0.05 lbs. HAPS/lbs. Solid</td> </tr> </tbody> </table>   | Storage Temperature | – Min.            | 50 °F (10 °C)  |                    | – Max.                | 90 °F (32.2 °C) | <b>VOC and HAPs information</b>    |        |               | <b>VOC (reg./coating):</b> 4.33 lbs./gl. or 519.1g/l |        |                 | <b>VOC (act/material):</b> 3.6 lbs./gl. or 432.9 g/l    |  |               | <b>VOC Ratio:</b> 1.0 lbs. VOC/lbs. Solid |                |            | <b>HAPS Ratio:</b> 0.05 lbs. HAPS/lbs. Solid |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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| <b>VOC and HAPs information</b>  |  |                     |                   |                |                    |                       |                 |                                    |        |               |  |        |                 |   |  |               |   |                |            |  |                                  |                |                                |               |  |                  |          |  |                   |         |  |
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## MegaVar® Elite Catalyzed Sealer 1MCS-0100

### Application:

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

### Recommended System:

**Catalyzing:** 1MCS-0100 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

| 1MCS-0100 | 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.

Topcoat with desired sheen selected from the 1MV-00XX Megavar® Elite series conversion varnishes.

**ENTIRE SYSTEM NOT TO EXCEED MORE THAN 6 MILS DRY.**

### 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](http://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.**