**MEGAVAR®**
**WHITE CATALYZED UNDERCOATER**
1S.750 (1A.622 CATALYST)

### Features
- High Solids Content
- Resists Moisture & Chemicals
- Tintable With Industrial Colorants
- 6 – 8 Hour Pot Life

### General Description
Lenmar® 1S.750 MegaVar® Catalyzed White Undercoater, is designed for the professional woodworker who demands maximum performance in a solid pigmented finish. Once catalyzed, this fast drying, VOC & HAPS compliant undercoater offers superior protection against moisture and household chemicals. The high solids formula builds to a beautiful and exceptionally durable film once cured. This conversion undercoater requires the addition of 3 ounces 1A.622, Catalyst (2.3%) per gallon. Reduce 25% - 40% with 1A.519 or 1A.406 after the addition of the catalyst. Add the catalyst and solvent slowly, while stirring. Only catalyze enough product that can be applied in a 6-8 hour period. The high solid content makes it possible to achieve a desired end result with just one coat.

### Recommended For
Wood Floors, Office Furniture, Displays & Fixtures, Kitchen Cabinets, Bathroom Vanities, Commercial Cabinets

### Limitations
- Entire system not to exceed 5 mils dry.

### Colors — Standard:
- White
  - May be tinted with up to 4 oz. per gallon with Industrial Colorants

### — Tint Bases:
- N/A

### — Special Colors:
Contact your Dealer/Distributor.

### Certification & Qualifications:
The products supported by this data sheet contain a maximum of 550 grams per liter VOC /VOS (4.6 lbs. /gal.) excluding water & exempt solvents.

### Technical Data:

<table>
<thead>
<tr>
<th>Color</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generic Type</td>
<td>Conversion Varnish</td>
</tr>
<tr>
<td>Pigment Type</td>
<td>Titanium Dioxide</td>
</tr>
<tr>
<td>Weight Solids (mixed as recommended)</td>
<td>60% ± 1.0%</td>
</tr>
<tr>
<td>Volume Solids (mixed as recommended)</td>
<td>40% ± 1.0%</td>
</tr>
<tr>
<td>Coverage per Gallon at 1 mil DFT</td>
<td>641 – 650 Sq. Ft.</td>
</tr>
<tr>
<td>Recommended Film Thickness – Wet</td>
<td>3 - 5 mils</td>
</tr>
<tr>
<td>– Dry</td>
<td>Maximum 2.0 mils</td>
</tr>
</tbody>
</table>

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 Sand | 30 Minutes |
| – To Recoat | 30 – 45 Minutes |

Maximum abrasion and chemical resistance are achieved at full cure; care should be taken to prevent damage to the coating during the curing process. High humidity and cool temperatures will result in longer dry, recoat and cure times. Minimum temperature of 68 °F during application and curing is necessary for maximum performance. Lower temperatures may result in poor performance and cracking. Excess amount of catalyst will cause cracking.

- Dries By: Catalyzed Crosslink
- Viscosity @ 77°F (mixed as recommended) | 26 – 32 Sec (#5 Zahn)
- Flash Point | 30°F (-1.1°C)
- Gloss/Sheen: Flat
- Surface Temperature at application | Min. 68 °F
- Max. 90 °F
- Thin With: 1A.406 Thinner
- Clean Up Thinner: 1A.406, 1A.519, 1A.101 or Acetone
- Mixed Ratio (by volume) | 3 oz. per Gallon
- Pot Life @ 77 °F | 6 – 8 Hours
- Weight Per Gallon (mixed as recommended) | 10.2 – 10.4 lbs
- Storage Temperature | Min. 50 °F
- Max. 90 °F

### Volatile Organic Compounds (VOC)

<table>
<thead>
<tr>
<th>VOC Region</th>
<th>Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEDERAL</td>
<td>YES</td>
</tr>
<tr>
<td>OTC</td>
<td>NO</td>
</tr>
<tr>
<td>OTCII</td>
<td>YES</td>
</tr>
<tr>
<td>CARB</td>
<td>NO</td>
</tr>
<tr>
<td>CARB07</td>
<td>NO</td>
</tr>
<tr>
<td>UTAH</td>
<td>YES</td>
</tr>
<tr>
<td>AZMC</td>
<td>NO</td>
</tr>
<tr>
<td>SCAQMD</td>
<td>NO</td>
</tr>
</tbody>
</table>

◊ Reported values are for White. Contact dealer/distributor for values of other bases or colors.
**MegaVar® White Catalyzed Undercoater 1S.750 (1A.622 Catalyst)**

**WARNING**! If you scrape sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

**Application**

**ENTIRE SYSTEM SHOULD NOT EXCEED MORE THAN 5 MILS DRY. LENMAR PRODUCTS ARE DESIGNED FOR INTERIOR USE, BY SPRAY APPLICATION ONLY.**

MegaVar® 1S.750 undercoater is designed to be the first coat in a 2 or 3 coat white system. Use over new substrate. Apply one coat, allow to dry, then sand with 280-320 grit silicon carbide sandpaper. Follow with no more than 2 topcoats of varnish. Recommended system is 1 coat of undercoater and 1 or 2 coats of topcoat. Do not apply two coats of undercoater.

**ENTIRE SYSTEM SHOULD NOT EXCEED 5 MILS DRY.**

**Application / Cure Temperature:** 68 °F minimum during application and curing is necessary for maximum performance. Substrate temperature should also be at least 68 °F. Lower temperatures may result in poor performance and cracking.

**Finishing MDF Board:** Routed and cut edges of MDF board should be sealed with a vinyl wash coat. Too much weight can lead to film cracking. Pre-test all systems for adhesion and performance.

**Specifications**

Motion content of wood should be no higher than 9%. Wood must be free of surface contaminants. Sand wood with no finer than 120-grit sandpaper and remove all dust. Mix thoroughly, gradually add 3 oz. per gallon (2.3%) 1A.622 Catalyst, then add 25% - 40% 1A.519 or 1A.406 reducer, per local VOC regulations. Apply by spray application only. Check with equipment manufacturer for settings to achieve proper atomization. Apply undercoater and let dry. Sand with 280-320 grit sandpaper. Follow with no more than 2 additional coats of conversion varnish. Small amounts of the Lenmar® 1A.114 Retarder may be used if applied during adverse weather conditions. Read label and SDS for additional information and warnings.

**Clean Up**

Clean up with 1A.406 or 1A.519 Thinner / 1A.101 Acetone.

**Environmental Health & Safety Information**

**DANGER!**

Causes skin irritation
Causes serious eye damage
May cause cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
Highly flammable liquid and vapor

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep cool.

**Response:** IF exposed or concerned: Get medical advice/atention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of fire: Use CO2, dry chemical, or foam for extinction.

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**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

**KEEP OUT OF REACH OF CHILDREN**

For professional application on wood floors only. May be applied as an OEM or Shop Application product to wood substrates other than floors.

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