



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.

Product Information

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.

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	NO
OTCII	YES
CARB	NO
CARB07	NO
UTAH	YES
AZMC	NO
SCAQMD	NO

Technical Assistance:

Available through your local authorized independent Lenmar dealer. For the location of the dealer nearest you, call 1-866-708-9180 or visit www.lenmar-coatings.com

Technical Data[◇]

	White
Generic Type	Conversion Varnish
Pigment Type	Titanium Dioxide
Weight Solids (mixed as recommended)	60% ± 1.0%
Volume Solids (mixed as recommended)	40% ± 1.0%
Coverage per Gallon at 1 mil DFT	641 – 650 Sq. Ft.
Recommended	– Wet 3 - 5 mils
Film Thickness	– Dry Maximum 2.0 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	– To Sand 30 Minutes
(23.8 °C) @ 50% RH	– 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	– Min. 68 °F
at application	– 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)

466 Grams / Liter* 3.89 LBS / Gallon*
* Catalyzed

[◇] 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

Moisture 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/attention. 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.