



MEGAVAR[®]

WATER WHITE CONVERSION VARNISH

1M.430X (1A.622 CATALYST)

Features

- Water White Formulation
- Meets AWS Specifications
- Ready To Spray Viscosity
- Self-Sealing
- Resists Moisture
- Resists Chemicals
- 8 – 12 Hour Pot Life

General Description

Lenmar[®] 1M.430X MegaVar[®] Series of water white conversion varnishes are designed for the professional woodworker who demands maximum performance and clarity in a finish. Once catalyzed, this fast drying conversion varnish offers superior protection against moisture and household chemicals. The formula builds to a beautiful and exceptionally durable film that will fully cure within 2 – 5 days after final coat. The conversion varnish requires the addition of 4 ounces of 1A.622 Catalyst (3%) per single gallon. Only catalyze enough varnish that will be applied in an 8 – 12 hour period. This conversion varnish is recommended as a self-sealing finish over properly prepared interior wood surfaces. For those application requirements where higher solids is desired, use Lenmar[®] MegaVar[®] Plus, 1M.630x series conversion varnishes.

Recommended For

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

Limitations

- Entire system not to exceed 5 mils dry.

Product Information

Colors — Standard:

Gloss / Sheen Levels

1M.4301 Flat:	7-13	@ 60°
1M.4302 Dull-Rubbed:	15-20	@ 60°
1M.4304 Satin:	35-40	@ 60°
1M.4306 Semi-Gloss:	57-63	@ 60°
1M.4309 Gloss:	85+	@ 60°

— Tint Bases:

May be tinted with 144/844 type Industrial Colorants up to 8 oz. per gallon.

— Special Colors:

N/A

Certification & Qualifications :

The products supported by this data sheet contain a maximum of 680 grams per liter VOC /VOS (5.7 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

Clear/Gloss

Generic Type	Conversion Varnish
Pigment Type	N/A
Weight Solids (mixed as recommended)	40% ± 1.0%
Volume Solids (mixed as recommended)	32% ± 1.0%
Coverage per Gallon at 1 mil DFT	513 – 525 Sq. Ft.
Recommended – Wet	3 – 5 mils
Film Thickness – Dry	1 – 1.6 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 @ 77 °F – To Sand	25 – 35 Minutes
@ 50% RH – To Recoat	30 – 60 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.	
Dries By	Catalyzed Crosslink
Viscosity @ 77 °F (mixed as recommended)	28 – 32 Sec (#2 Zahn EZ)
Flash Point	39 °F (3.9 °C)
Gloss/Sheen	See Colors / Standards Section
Surface Temperature at application	– Min. 68 °F – Max. 90 °F
Surface must be dry and at least 5° above the dew point	
Thin With	1A.406 Thinner or 1A.114 Retarder
Clean Up Thinner	1A.406 Thinner or 1A.101 Acetone
Mixed Ratio (by volume)	4 ounces per gallon
Pot Life @ 77 °F	8 – 12 Hours
Weight Per Gallon (mixed as recommended)	7.7 – 8.1 lbs
Storage Temperature	– Min. 50 °F – Max. 90 °F

Volatile Organic Compounds (VOC)
583 Grams / Liter* 4.9 LBS / Gallon*
* Gloss Catalyzed

◇ Reported values are for Clear/Gloss. Contact your dealer/distributor for values of other bases or colors

MegaVar® Water White Conversion Varnish 1M.430X

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.

The 1M.430X Series is ideally used as a self-sealing, three-coat, finish over new wood. Select the desired sheen from the 1M.430X series, **shake well**, add 4 ounces of 1A.622. Then apply three even coats of 3-5 mils; allow to dry, sanding between each coat for proper adhesion. If a separate sealer is desired, apply one coat of 1C.380 QD Vinyl Sealer or 1C.5300 Catalyzed Vinyl Sealer according to Label/TDS directions, let dry, and sand. Follow with 2 topcoats from the 1M.430X line.

ENTIRE SYSTEM SHOULD NOT EXCEED 5 MILS DRY.

Specifications

Moisture content of wood should be no higher than 9%. Wood must be free of surface contaminants. Sand wood with no finer than 150-grit sandpaper and remove all dust. Mix thoroughly; gradually add 4 oz. of 1A.622 to each gallon. Apply by spray only, at the recommended temperatures (above 68 °F). Check with equipment manufacturer for settings to achieve proper atomization. If necessary, use 1A.406/1A.114 to reduce after catalyzation. Apply a first coat of conversion varnish and let dry. Sand with 320-grit, non-stearated, silicon carbide sandpaper. Follow with no more than 2 additional coats of conversion varnish, sanding between all applications. (Sanding is required to achieve proper adhesion.) Small amounts of 1A.114 Lacquer Retarder may be used if applied during adverse weather conditions. Pot-life can be extended by addition of n-Butyl alcohol, at 2-8 oz. per gallon. Read label and SDS for additional information.

TEST DATA RESULTS FOR COMMONLY PERFORMED KITCHEN CABINET TESTING

STAIN	
Vinegar (24 hours)	No Effect
Lemon Juice (24 hours)	No Effect
Orange Juice (24 hours)	No Effect
Grape Juice (24 hours)	No Effect
100 Proof Ethanol (24 hours)	No Effect
Coffee (24 hours)	No Effect
Olive Oil (24 hours)	No Effect
Tomato Catsup (24 hours)	No Effect
Dish Detergent (0.5%) (24 hours)	No Effect
Concentrated Dish Detergent (24 hours)	No Effect
Mustard (1 hour)	No Effect

Clean up

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

Environmental Health & Safety Information

DANGER!

Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

Suspected of causing cancer

May damage 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces, 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 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 physician. If skin irritation or rash occurs get medical attention. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. 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

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

KEEP OUT OF REACH OF CHILDREN

FOR WOOD SUBSTRATES 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.**