



MEGAVAR[®]

WATER WHITE CONVERSION VARNISH

1M.430X (1A.5300 CATALYST)

Features

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

Recommended For

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

General Description

Lenmar[®] 1M.430X MegaVar[®] Series of water white conversion varnishes is 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 high solids 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 227 mL of 1A.5300 Catalyst (6%) per 3.79 L. 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.

Limitations

- Entire system not to exceed 5 mils dry.

Product Information

Colours — 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 237 ml per 3.79 L.

— Special Colours:

N/A

Certifications & Qualifications:

The products supported by this data sheet contain a maximum of 680 grams per litre VOC /VOS excluding water & exempt solvents.

This product is not compliant for field applications.

Technical Assistance:

Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-800-361-5898 or visit www.lenmar-coatings.ca

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 3.79 L at 1 mil DFT	47.7 – 48.8 sq. m. (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 @ 25 °C	– To Sand	25 – 35 Minutes
@ (77 °F)	– 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 @ 25 °C (mixed as recommended)	28 – 32 Sec (#2 Zahn EZ)	
Flash Point	3.9 °C (39 °F)	
Gloss/Sheen	See Colors / Standards Section	
Surface Temperature at application	– Min.	18.3 °C (68 °F)
	– Max.	32.2 °C (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 / 1A.101 Acetone	
Mixed Ratio (by volume)	227 mL per 3.79 L	
Pot Life @ 25 °C	8 – 12 Hours	
Weight Per 3.79 L (mixed as recommended)	3.7 – 3.9 kg (7.7 – 8.1 lbs)	
Storage Temperature	– Min.	10 °C (50 °F)
	– Max.	32.2 °C (90 °F)

Volatile Organic Compounds (VOC)

583 Grams / Litre*
* Gloss Catalyzed

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. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @<https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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 227 mL to 3.79 L of 1A.5300. 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 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 227 mL of 1A.5300 to each 3.79 L. Apply by spray only, at the recommended temperatures (above 20 °C). 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-steatated, 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 59 mL – 237 mL per 3.79 L. Read label and SDS for additional information.

Clean Up

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

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

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 vapour

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.

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.**