

Mohawk Finishing Products

Division of RPM Wood Finishes Group, Inc.

Product Data Sheet

Ultra White™ Conversion Varnish 275 VOC

M612-2740 (Satin), M612-2720 (Matte)

Available in 1 gallon, 5 gallons

Product Description: Ultra™ White Conversion Varnish topcoats offer the same maximum protection against moisture, wear, resistance to strong chemicals and the ease of use as the Mohawk Ultra™ Clear Conversion Varnish in a high opacity white system. It also contains UV inhibiting additives to protect and resist against yellowing. When used with Mohawk's E-Z Vinyl® White Sealer the system easily exceeds all KCMA tests and delivers a durable finish that is suitable for any furniture, kitchen or bath cabinet and millwork application.

Advantages:

1. High moisture and chemical resistance, meets all KCMA test requirements
2. High solids / Low VOC's
3. Non-yellowing
4. Excellent cold check resistance
5. Excellent adhesion

Characteristics:

Weight per gallon: 8.69* lbs/gal

Solids % (wt): 43.97*

Solids % (vol): 29.71*

Package viscosity: 24-26 seconds, #1 Zahn Sig.

Dry time: Air dry @ 72 F, 35% relative humidity

To touch: 20 minutes

To sand and recoat: 45-60 minutes

To rubout or package: 24 hours

VOC's (coating): 2.04* lbs/gal (245.32* g/l)

VOC's (material): .84* lbs/gal (101.32* g/l)

VHAP's: 0.031*lbs VHAP's/lb solids

Package life: 3 years

Sheen: Satin: 40, Matte: 20

Spread Rate: 476 sq ft @ 1 dry mil

*Varies between sheens. All values theoretical; not intended to be exact QC specifications.

HMIS: Health – 2, Flammability – 3, Reactivity – 0, Personal Protection - X

Directions: Stir thoroughly before using. Prime the surface with E-Z Vinyl® White Sealer (M612-106), following the directions and allowing each coat to dry for 30-45 minutes. Sand each coat thoroughly with 320 grit stearated sandpaper and remove dust before topcoat application. Do not use a sterated, nitrocellulose sanding sealer as a sealer with this product. Sterated, nitrocellulose sanding sealers may cause acid blooming.

Catalyze Ultra™ White Conversion Varnish (M612-27XX) with 4 fl. oz. per gallon of Conversion Varnish Catalyst (M612-701). Only catalyze the amount of product needed because excess material cannot be saved. Stir material while adding Catalyst and continue to stir until thoroughly mixed. Allow material to sit for 15 minutes before spraying. Spray Ultra™ White Conversion Varnish (M612-27XX) in light, even coats of no more than 3-4 wet mils. If a second coat is desired, apply within 4 hours of

previous coat lightly scuff sanding with 320 grit steared sandpaper. All Mohawk 275 VOC formulations are high solids products, which build very quickly. Total film build of the entire system, including topcoats, should not exceed 4 dry mils. Excessive build may lead to poor adhesion, cracking or cold check problems. Remove sanding dust before topcoat application. Mohawk Retarder for Low VOC Coatings (M612-1056) is recommended if a flow enhancer is needed.

Refer to the last page of this document for additional 275 VOC product tips.

NOTES: Ultra™ White Conversion Varnish (M612-27XX) is manufactured at spray viscosity. Mohawk Acetone (M650-001) is recommended for equipment clean up. If second coat of Ultra™ White Conversion Varnish (M612-27XX) cannot be applied within 4 hours after first coat, allow to dry 24 hours, lightly scuff sand with 320 grit steared sandpaper just prior to recoating and remove sanding dust. Heavy sanding of previous coats should be avoided. Stainless steel spray equipment is recommended to avoid iron contamination (discoloration). Pot life is approximately 12 hours. Flush equipment and fluid lines at the end of each day with Mohawk Acetone (M650-001).

Total dry film should not exceed 4 mils. All products should be stirred properly before being used and also continuously agitated while in use to insure product consistency from start to finish. Filtering at every opportunity is suggested. The system should be pre-tested on the wood to be finished under application conditions. Mixing with other products or finish systems is not recommended. Mohawk Finishing Products will not be held liable for finish failure resulting from mixing products or systems. This product is formulated for interior applications and is not recommended or tested for exterior use.

Safety and Other Precautions: Read MSDS for precautions before using product.

MSDS: If Material Safety Data Sheet is required, contact:

Mohawk Finishing Products

Division of RPM Wood Finishes Group, Inc.

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Hickory, NC 28603

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Mohawk 275 VOC Coatings

Tip Sheet

Viscosity is typically much lower or thinner in 275 VOC coatings because they have to be in order to achieve proper flow out of the coating.

Agitation is needed to thoroughly mix flattening agents and pigments in opaque colors into all coatings. Periodic agitation is always recommended for most clear and opaque coatings. However it is particularly important with 275 VOC coatings because 275 VOC products tend to settle faster due to the lower viscosity, which can allow flattening agents and pigments to fall out of suspension much faster than in higher VOC formulations.

For best results, always agitate or stir 275 VOC products more frequently in order to maintain a consistent sheen or color. A good habit to get into is to stir the 275 VOC products at least every 10 minutes.

Application of 275 VOC coatings does have a few new things to remember.

1. Stir/Agitate 275 VOC coatings frequently.
2. Lighter coats work better than heavy wet coats. Do not try to level a coat by applying it too heavy. Excessive build could occur.

3. Lowering your air or fluid pressure will reduce the risk of the product going on dry.
4. Hold the gun a little closer to the substrate when applying to reduce the risk of applying too dry.

Build can be deceiving with a 275 VOC coating. In fact, it is very easy to exceed the maximum build of 4 dry mils.

To reduce this risk, try to keep the four coat rule. **DO NOT APPLY MORE THAN 4 TOTAL COATS INCLUDING SEALERS OR PRIMERS.**

275 VOC coatings may be lower in viscosity but they remain high solids coatings. Exceeding the 4 coat rule can increase the chances of excessive build, which can result in cracking or other finish failures.

Mohawk 275 VOC Products include:

M612-2500 series Clear WW Lacquer

M612-800 E-Z Vinyl® Sealer

M612-3400 series Duracoat™ II Post-Catalyzed Lacquer

M612-3600 series Duracoat™ II Post-Catalyzed White Lacquer

M612-2800 series Ultra™ Clear Conversion Varnish (Post Catalyzed)

M612-2700 series Ultra™ White Conversion Varnish (Post Catalyzed)

M612-106 & M612-306 E-Z Vinyl® Colored Sealer