

# Mohawk Finishing Products

Division of RPM Wood Finishes Group, Inc.

## Product Data Sheet

### Ultra™ Clear Conversion Varnish

M612-2860 (Semi-gloss), M612-2840 (Satin), M612-2820 (Matte), M612-2810 (flat)

Available in 1 gallon, 5 gallons

**Product Description:** Ultra™ Clear Conversion Varnish provides the ultimate high-end professional interior finish performance and appearance. These products not only pass all of the KCMA Household Chemical Tests, they exceed the requirements. Ultra™ Clear Conversion Varnish is a post catalyzed water white conversion varnish. These topcoats produce a finish system of maximum durability, wear and moisture resistance. They have good color retention properties and form a highly flexible film. A UV inhibitor is included to stabilize colors. These finishes can be sprayed with conventional, airless, HVLP, and air-assist airless equipment. Use Ultra™ Clear Conversion Varnish wherever the ultimate in finish protection is desired, such as kitchen and bath cabinets, laboratory, dormitory, office furniture, and display fixtures. Ultra™ Clear Conversion Varnish must be catalyzed at a rate of 4 oz. per gallon with M612-701 before use. Ultra™ Clear Conversion Varnishes are high solids-low viscosity formulas that enable users to achieve the best flow and build without reduction.

Advantages:

1. High moisture and chemical resistance, meets all KCMA test requirements
2. 275 VOC compliant and HAPS free
3. Ultra Clear and non-yellowing
4. Ultra durability & moisture resistant
5. Ultra high solids, Ultra high build

### Characteristics:

Weight per gallon: 7.82\* lbs/gal

Solids % (wt): 37.45\*

Solids % (vol): 29.05\*

VOC's (coating): 2.10 lbs/gal (246.87 g/l)\*

VOC's (material): .84 lbs/gal (100.33 g/l)\*

VHAP's: 0.04 lbs\* VHAP's/lb solids

Package viscosity: 23-26 seconds, #1 Zahn

Signature @ 77° F.

Spread Rate: 465 sq. ft. @ 1 dry mil

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

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

To touch: 20 minutes

To sand and recoat: 45-60  
minutes

To rubout or package: 24 hours

Package life: 3 year

Sheen(s): Semi-gloss: 60, Satin: 40,

Matte: 20, Flat: 10

All values theoretical; not intended to be exact QC specifications.

\*Varies between sheens

**Directions:** Stir thoroughly before using. Seal with Mohawk E-Z Vinyl® Sealer (M612-800) and allow 45 minutes to dry before sanding with 320 grit sandpaper. Ultra™ Clear Conversion Varnish may also be used as its own sealer. Do not use a sterated, nitrocellulose sanding sealer as a sealer with this product. Sterated, nitrocellulose sanding sealers may cause acid blooming.

Catalyze Ultra™ Clear Conversion Varnish with 4 oz. per gallon of Conversion Varnish Catalyst (M612-701). Only catalyze the amount of product needed, excess material cannot be saved. Stir material while adding Catalyst until thoroughly mixed. Allow material to sit for 15 minutes before spraying. Spray Ultra™ Clear Conversion Varnish in full wet coats. If a second coat is desired, apply within four hours of previous coat; scuff sanding with 320 grit stearated sandpaper. Mohawk Retarder for Low VOC Coatings (M612-1056) is recommended if a flow enhancer is needed.

NOTES: Ultra™ Clear Conversion Varnish is manufactured at spray viscosity. Mohawk Acetone (M650-001) is recommended for equipment clean up. If second coat of Ultra™ Clear Conversion Varnish cannot be applied within 4 hours after first coat, allow to dry 24 hours, scuff sand prior to recoating with 320 grit stearated sandpaper and remove sanding dust. Heavy sanding of previous coats should be avoided. Stainless steel spray equipment is recommended to avoid iron contamination (discoloration). Ultra™ Clear Conversion Varnish must be kept in a stainless container or container with plastic liner. Pot life is approximately 12 hours. Flush equipment and fluid lines at the end of each day with Mohawk Acetone (M650-001) or Mohawk Clean-Up Solvent (M650-900).

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.

P.O. Box 22000

Phone: 1-800-545-0047

Hickory, NC 28603

Fax: 1-800-721-1545

# 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 mills.

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