



# WATERBORNE CONVERSION VARNISH MATTE 20 SHEEN GAL

## TECHNICAL DATA SHEET

PRODUCT NUMBER	DESCRIPTION
MA641-21207	WATERBORNE CONVERSION VARNISH MATTE 20 SHEEN GAL

### PRODUCT DESCRIPTION:

Mohawk's Waterborne Conversion Varnish is a freeze-thaw stable formula that is a water reducible, post catalyzed, low VOC emitting technology that has excellent color retention and is suitable for cabinet, millwork, furniture and other high traffic interior wooden surfaces. Waterborne Conversion Varnish delivers ultimate durability and mar resistance with as little as two coats and can be used as a self-sealing system. Waterborne Conversion Varnish is formulated to meet production shop needs and is an excellent environmentally friendly alternative to comparable solvent base post catalyzed products. Waterborne Conversion Varnish may be applied over any Mohawk stain or opaque colors. Allow oil type stains to dry a minimum of 1 hour for improved adhesion.

### ADVANTAGES:

1. Suitable for LEED® projects
2. Contains no formaldehyde, phthalates or lead
3. Low odor, water clean up

### PHYSICAL PROPERTIES AND SPECIFICATIONS

Technology	WATERBORNE ACRYLIC/URETHANE
Color	CLEAR
Sheen	20 +/-3 @ 4 WET MILS APPLIED
Viscosity	20-25 SECS # 3 ZAHN CUP MIXED
WPG	8.73 lbs/gal
Solids by Volume	34.07 ±1%
Solids by Weight	36.34 ±1%
Flash Point	200.00 °F
HMIS	H: 2, F: 1, R: 0, P: X
Coating VOC (g/l)	247.00 g/l
Coating VOC (Lb/Gal)	2.06 lbs/gal
Material VOC (g/l)	114.76 g/l
Material VOC (Lb/Gal)	0.96 lbs/gal
#VOC/#Solid	0.30 lbs/lbs solid
VHAP Ratio (#VHAP/#Solid)	0.04
Spread Rate	546.51 sq. ft./gal @ 1.0 mil DFT (no loss)
Catalyst/Ratio	M641-701 - 5 OZ PER GALLON - MIX WELL FOR 2 MINUTES
Reducer	READY TO SPRAY- RESULTS ARE BEST WITHOUT ADDING WATER
Retarder	PROPYLENE GLYCOL IF NEEDED - 1-4 OZ PER GALLON AS NEEDED
AirDry	15-20 MINUTES TO TOUCH - 30-45 MINUTES TO HANDLE
Oven Dry	CUSTOMER SPECIFIC
Shelf-Life (Unopened)	12 months

Pot-Life (Catalyzed)	24 HOURS
Recoat Instruction	30 - 45 MINUTES, SCUFF SAND PRIOR TO RECOAT
PH	7.90 - 8.50

**DIRECTIONS:**

Stir thoroughly before using. Add Waterborne Conversion Varnish Catalyst (M641-701) slowly while stirring at a rate of 5% by volume. Allow to sit for 5-10 minutes before use. Apply over Mohawk Waterborne Pre-Catalyzed Sealer (M640-2100) or Waterborne Wood Tone Sealer (M641-2400) or use as a self sealing system, and allow 30-45 minutes to dry before sanding with 320 grit sandpaper. Spray Waterborne Conversion Varnish (M641-21XX) in light, even coats of 3-4 wet mils. Always scuff sand previous coat with 320 grit sandpaper and remove any sanding dust from the surface before applying any additional coats. Total finishing system, including sealer and topcoats, should not exceed 4 dry mils. Waterborne sealers and finishes are high solids, quick building products. Excessive finish build can lead to a cloudy finish especially in lower sheens, cracking, cold checking and other finish failures. Waterborne Conversion Varnish may be tinted with waterborne colorants not to exceed 10% addition by volume.

NOTES: Protect from freezing. If product has been frozen, place product at room temperature (minimum 70 degrees F) and allow 2-4 days for material to become fluid. Catalyze as directed. If further reduction is needed then add 5-8% water by volume and stir. If desired viscosity is still too high, reduce carefully using 1 fluid ounce per gallon at a time. Over-reduction could compromise the film thickness and potentially cause craters to form.

Waterborne Conversion Varnish (M641-21XXX) is manufactured at spray viscosity.

*The data on this sheet are calculated values (as formulated) and will not represent exact values for every product. For Safety and Other Precautions, read the SDS before using the product. SDS are available upon request. If Safety Data Sheet is required, contact: Mohawk Finishing Products, a Division of RPM Wood Finishes Group, Inc.; P.O. Box 22000 Hickory, NC 28603; Phone: 1-800-545-0047; Fax: 1-800-721-1545.*

*Drying times and viscosities reported are as tested under laboratory conditions (77°F (25°C)) with relative humidity of approximately 45%. Changes in temperature and humidity will affect product data.*

*It is the user's responsibility to verify product compliance with all applicable regulations or permits before proceeding with use. Always pretest any finishing products to verify suitability to the desired use before proceeding with any application. Manufacturer makes no warranties, express or implied, including (but not limited to) warranties of merchantability and fitness for particular purposes. Manufacturer will not be liable for any incidental, consequential or special damages or losses derived, directly or indirectly, from or as a consequence of purchaser's use of this product.*

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