

Mohawk Finishing Products

Division of RPM Wood Finishes Group, Inc.

Product Data Sheet

Waterborne Wood Tone Sealer

M641-2400 Sealer

Available in 1 gallon, 5 gallon

Product Description: Mohawk Waterborne Wood Tone Sealer has a slight amber cast that adds warmth and richness to stain colors similar to a solvent based sealer look. Waterborne Wood Tone Sealer may be used as a sealer for both Waterborne Pre-Catalyzed or Waterborne Conversion Varnish topcoats. No catalyst is needed and it is ready to spray from the can. Waterborne Wood Tone Sealer is not recommended over white or other opaque colors. For interior use only.

Advantages:

- Low odor
- Water clean up
- Warm amber cast
- Contains no formaldehyde, phthalates or lead
- Suitable for LEED® credits: EQ Credit 4.2 Low Emitting Materials - Paints & Coatings

Characteristic

Weight per gallon: 8.6 lbs/gal*
Solids % (wt): 33.86*
Solids % (vol): 31.14*
Dry time: Air dry @ 72F and 35% RH
 To handle: 20 minutes
 To recoat: 30 minutes
 To rubout or package: 24 hours
Coverage: 500 sq ft/gal

VOC's (coating): 1.5 lbs/gal (179 g/l)*
VOC's (material): .6 lbs/gal (69 g/l)*
VHAP's: .0008 lbs VHAP's/lb solids *
Package life: 1 year
Sheen: Satin 40-50*
Viscosity: 20 - 24" Zahn 2 signature*
* All values theoretical; not intended to be exact QC specifications.

HMIS: Health - 2, Flammability - 1,
Reactivity - 0, Personal Protection - X

Specifications:

Directions: Stir thoroughly before using. Apply Waterborne Wood Tone Sealer in light, even coats of 3-4 wet mils. Always scuff sand previous coat with 320 grit sand paper and remove any sanding dust from the surface before applying any additional coats. Apply appropriate sheen of the desired type of Mohawk Waterborne topcoat. 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 Wood Tone Sealer may be tinted with Mohawk Waterborne Colorants (M684 Series) not to exceed 10% addition by volume.

NOTES: Protect from freezing. Waterborne Wood Tone Sealer is manufactured at spray viscosity. Small amounts of tap water may be used if further reduction is necessary. Do not exceed 5%. Begin with 1 ounce per gallon. Strain product before use for best results. Waterborne Dye Stains, Waterborne Dye Concentrates or Waterborne Colorants may be added to waterborne topcoats for shading or toning (do not exceed 10% by volume). Make additions slowly while stirring product. Always do a sample panel to test results of mixture prior to applying on the actual work. Remove sanding dust after sanding. Stainless steel spray equipment is recommended to avoid iron contamination (discoloration). Flush equipment and fluid lines after use with warm tap water. Do not use a tack cloth to remove sanding dust. Sanding dust should be removed with a dry cloth or compressed air.

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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Waterborne Coatings Tip Sheet

Mohawk waterborne coatings are water reducible, self cross-linking, low VOC emitting technologies that have good color retention and are suitable for cabinet, millwork, furniture and other high traffic interior wooden surfaces.

Mohawk waterborne coatings are formulated to meet production shop needs and are an excellent environmentally friendly alternative to comparable solvent base products.

The tips below are an effort to communicate product and application tips that will assist end users to achieve the expected results when using a waterborne coating. Always consult the product's Product Data (PDS) and Material Safety Data (MSDS) Sheets before use for more detailed information and instructions.

Thinning/Reduction

Waterborne coatings are manufactured at ready to spray viscosity. They may be thinned or reduced if needed, however they thin much more rapidly than solvent coatings. Typically the maximum reduction is about 5%. Regular tap water may be used.

Application

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. For best results, apply waterborne sealers and coatings in light, even coats of no more than 4 wet mils. The first coat should be applied very thin so that it can be easily and quickly sanded smooth to prepare a level surface for subsequent coats.

Sanding is necessary between all coats for maximum adhesion. Do not use a tack cloth to remove sanding dust. Sanding dust should be removed with a dry cloth or compressed air.

Filtering is suggested at every opportunity to prevent unwanted debris from getting trapped in the film.

Minimum application temperature is 60 degrees Fahrenheit; waterborne material, substrate and spray room should all be at minimum temperature or above for proper results. Waterborne coatings should be kept warm and will exhibit higher viscosity at cooler temperatures resulting in poor spray performance. Material should be warm and stable before making viscosity adjustments or spraying.

Storage and Agitation

Always protect from freezing. Modern waterborne technologies cannot survive even one freeze/thaw cycle. Always stir waterborne coatings slowly and thoroughly before use. Do not shake waterborne products. Shaking will cause air bubbles that may remain in the film when the sprayed causing an undesirable end result.

Maximum Film Build

The maximum total dry film build for waterborne sealers and coatings is 4 mils.

Sealers

All Waterborne finishes can be used as a self sealing system; however always use a Mohawk Waterborne Sealer under lower sheens (40 degrees or below) in order to reduce the risk of cloudy looking film that is sometimes caused by excessive build of lower sheen coatings.

For results that resemble a solvent coating looking system, use Mohawk Waterborne Wood Tone Sealer (M641-2400), if applied over wood tone stain especially, dark stain colors.

Equipment

Stainless steel spray equipment is recommended to avoid iron contamination (discoloration). Flush equipment and fluid lines after use with warm tap water. Waterborne finishes tend to dry on spray gun tips more rapidly than solvent coatings. Frequent cleaning of spray tips may be needed.

Spraying waterborne coatings with Air Assisted Airless or airless systems can be difficult because of the sheer those systems create in the product. Consult your equipment supplier for air cap, tip, and nozzle or suggested pump settings if flow or other issues is identified.

Safety

Always use proper ventilation and safety equipment when applying any coating. Refer to the product's MSDS for detailed safety information.