



2K POLYURETHANE ISO FREE SATIN 96 OZ PART A

TECHNICAL DATA SHEET

PRODUCT NUMBER	DESCRIPTION
M610-5407	2K POLYURETHANE ISO FREE SATIN 96 OZ PART A

PRODUCT DESCRIPTION:

Mohawk's new 2K Polyurethane ISO Free topcoats are state of the art, 2 pack urethane systems that are isocyanate and formaldehyde free coatings. This high solids coating is 550 VOC g/l compliant formulation with user friendly application options. It can be applied by brush or spray.

2K Polyurethane ISO Free topcoat is designed for interior wooden surfaces that are exposed to heat, moisture and a multitude of household chemicals. They are the perfect choices for bar tops, restaurant tables, conference room tables or dining room tables because it has superior mar and chemical resistance properties.

This coating builds fast and also has non-yellowing properties.

ADVANTAGES:

1. Excellent Scratch and Mar resistance
2. High solids and superior build
3. Non-Yellowing
4. Simple 3:1 mixing ratio
5. Brush or spray applied

PHYSICAL PROPERTIES AND SPECIFICATIONS

Technology	Isocyanate free 2 part urethane; solvent based
Color	Clear
Sheen	40° satin
Viscosity	23 Seconds – Sig #3 Zahn Cup @ 77°F (25°C)
WPG	8.72 lbs/gal
Solids by Volume	42.18 ±1%
Solids by Weight	47.12 ±1%
Flash Point	81.00 °F
HMIS	H: 2, F: 3, R: 0, P: X
Coating VOC (g/l)	498.04 g/l
Coating VOC (Lb/Gal)	4.16 lbs/gal
Material VOC (g/l)	465.80 g/l
Material VOC (Lb/Gal)	3.89 lbs/gal
#VOC/#Solid	0.95 lbs/lbs solid
VHAP Ratio (#VHAP/#Solid)	0.03
Spread Rate	676.52 sq. ft./gal @ 1.0 mil DFT (no loss)
Catalyst/Ratio	3 Parts Topcoat/1 Part M610-5006
Reducer	Up to 5 fluid ounces /gal with M650-5107
Retarder	N/A
AirDry	20 Minutes to Dust-Free / 60 Minutes to Sand

Oven Dry	10 Minute Flash / 15 Minutes @ 125°F (52°C)
Shelf-Life (Unopened)	12 months
Pot-Life (Catalyzed)	Up to 2 hours
Recoat Instruction	Sand immediately before recoat
PH	N/A

DIRECTIONS:

Use as a self-sealing system on interior raw wood surfaces only. If using over stained, glazed, or oily raw wood species apply over freshly sanded M615-2900 Ultra Clear Conversion Varnish Sealer. Do not use over non-catalyzed vinyl sealers or any lacquer based sealers. Mix 3 parts material to 1 part hardener. Pot life is approximately 2 hours, which is typically enough time to apply 2 coats after mixing. 2 to 3 coats is a typical system on unfinished wood. Finished projects are typically ready to put into service after 24 hours. Note: A fresh batch must be mixed if a 3rd coat is needed. CAUTION: DO NOT TINT!! TINTING THIS PRODUCT WILL STOP THE CURE REACTION AND PRODUCT WILL NOT DRY!

Brush Application – Do Not Use over oil based wiping stains when brushing. M520-Series Ultra Penetrating Stain is recommended for 2K ISO Free Polyurethane brushing applications where Ultra Clear Conversion Varnish Sealer (spray application only) cannot be used as a sealer. Use a foam brush and apply light, even coats from end to end of surface in overlapping strokes. Keep brush wet for best results. Allow to dry 1 hour, scuff sand with 320 grit sandpaper and remove dust before applying additional coats.

Spray Application – Reduce at a rate of 4-5 ounces per gallon after mixing with Mohawk 2K Polyurethane ISO Free Reducer (M650-5107). Apply in light, even coats (target 3 wet mils) and allow to dry for 1 hour. Scuff sand with 320 grit sandpaper and remove dust before applying additional coats. 2 to 3 coats is a typical system on unfinished wood. Clean up and flush guns & spray lines with M650-5107 Mohawk 2K Polyurethane ISO Free Reducer only.

NOTES: For best results apply over freshly sanded surfaces (Ultra Clear Conversion Varnish Sealer or 2K ISO Free Polyurethane) in light, even coats. Always run test panels of the entire system before applying to the project. Avoid applying too heavy and wet. Heavy coats will take longer to dry, cure and to achieve maximum durability.

CAUTION: Stained, glazed, or oily wood surfaces should be sealed with Mohawk M615-2900 Ultra® Clear Conversion Varnish Sealer prior to applying 2K ISO Free Polyurethane. Scuff sand Ultra® Clear Conversion Varnish Sealer with 320 grit sand paper before applying 2K Polyurethane ISO Free coating. Do not use M506-Series Heavy Bodied Glaze. Adhesion should be tested over all other stains before starting a project. Do not apply glaze or stain between coats of 2K Polyurethane ISO Free coating.

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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