Chemical Coatings

SHER-WOOD® MATTE WATER WHITE VARNISH V84FH161

DESCRIPTION

V84FH161 is a low sheen penetrating type conversion varnish that provides a close to the wood look. V84FH161 is ideal for use on kitchen cabinetry, furniture, or other interior woodworking when a matte, close to the wood appearance is desired.

Advantages:

1. Water white formulation containing UV Absorber for enhanced non-yellowing properties.
2. No reportable formaldehyde.
3. HAPS COMPLIANT as packaged. (as defined by the National Standards for Hazardous Air Pollutants Emissions [HAPS] for Wood Furniture Manufacturing Operations 40 CFR 63, Subpart JJ)
4. Meets the Federal Control Technique Guidelines (CTG) for VOC for conversion varnishes.
5. Meets the requirements of the Kitchen Cabinet Manufactures Association (KCMA)
6. Use as a multicoat, self-seal system or over a KCMA quality vinyl or varnish sealer.
7. Provides an attractive, low sheen, close to wood finished look.
8. Ready to apply following catalyzation, no reduction required.

CHARACTERISTICS

Gloss: Black Glass	3 - 7 units
Weight Solids:	35.2%
Volume Solids:	28.4%
Visc: #2 Zahn Cup	19 - 25 sec.

Recommended film thickness:

Mils Wet	3.0 – 5.0
Mils Dry	0.9 – 1.4

Maximum DFT for the total system is 4.0 dry mils.

Spreading Rate: (No Application Loss) 453 ft^2/gal @ 1.0 mils DFT
Flash Point: PMCC: 50°F
Package Life: 1 years (Unopened)

Air Quality Data:
Non-Photochemically Reactive

CHARACTERISTICS

Air Quality Data
Volatile Organic Compounds **(VOC)** as packaged. 5.09 lb/gal, 609 g/L
1.83 lb. VOC/ lb solids
Hazardous Air Pollutants **(HAPS)**as packaged. 0.11 lbs / lb of solids
Drying: (77°F, 50% RH):

To Touch:	15 minutes
To Sand:	40 minutes
To Pack:	8 hours

Force Drying:

Flash:	10 minutes
Bake:	15 minutes at 125°F

Air dry 2 hours before packing.
Application environment, staining system, and wet coating mils, all influence drying. Listed drying schedules are provided as general guidelines.
Mixing Ratio*:*
1 gallon – V84FH161
5 ounces – V66V21 KemVar® Catalyst
This ratio equals 3.9% V66V21 by volume to V84FH161.
Pot Life: 24 hours
Decatalyzation Procedure:
Dilute catalyzed material 100% with uncatalyzed material. This will stabilize this material for 24 hours. Add catalyst for only the uncatalyzed volume the next day, agitate thoroughly.
Do not save catalyzed material over the weekend.

SPECIFICATIONS

Wood (Interior Only)**:**
Must be clean, dry, and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination to ensure optimum adhesion and coating performance properties. Moisture content of wood should be 6 to 8%.
Testing*:*
Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility prior to full-scale application.
Product Limitations:
Do not over-catalyze. Use only V66V21 KemVar catalyst.

SPECIFICATIONS

Cleanup:

1. Clean tools/equipment immediately after use with quality lacquer thinner or acetone. Always follow instructions given by equipment supplier.
2. Flush equipment with solvent to prevent rusting.

APPLICATION

Apply by air-assisted airless, HVLP, or conventional spray.
Reducing Options: Reduce 5 – 10% to adjust drying or build wit acetone, butyl acetate, or lacquer thinner.
Retarding Options:
……Retard 5-10% with MAK or EEP.

CAUTIONS

DANGER! Contents Are **FLAMMABLE** VAPORS MAY CAUSE FLASH FIRES Keep away from heat, sparks, and open Flame, during use and until all vapors are gone. Keep area ventilated – Do not smoke, Extinguish all flames, pilot lights and heaters – Turn off stoves, electric tools and appliances, and any other sources of ignition.

REFER TO MATERIAL SAFETY DATA SHEET, AIR QUALITY DATA SHEET AND ENVIRONMENTAL DATA SHEET FOR ADDITIONAL AND MOST CURRENT INFORMATION.

Note:
Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application, which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.

Greensboro, NC
Richard Weitzel – 11/28/07