Industrial Wood Coatings

CC-F202

SHER-WOOD® Polyurethane Sealer

Sealer T63FH7
Catalyst..... V66V90

DESCRIPTION

SHER-WOOD® Polyurethane Sealer T63FH7 is a high performance 2K polyurethane sealer for the general interior wood finishing market.

Advantages:

- Meets the Federal HAPS rule for wood finishes as packaged*
- Formaldehyde hazard free
- 4-hour working pot life after catalyzation
- Contains UV absorber for improved resistance to yellowing.
- Ready to spray, after catalyzation, no reduction needed.
- Good resistance to household stains.
- Good flexibility - passes 20 cold check cycles with topcoated with Sher-Wood Polyurethane Clear Topcoat, T73FH8 series.
- Versatile application - may be applied by conventional, airless, air-assisted airless and HVLP spray methods
- Ideal for kitchen cabinets, vanities, chairs, office furniture, household furniture, novelties, and a wide range of interior wood products.
- Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303.

Air Quality Data:
Non-Photochemically Reactive

Volatile Organic Compounds (VOC) as packaged, maximum
5.59 lb/gal, 670 g/L
2.20 lbs VOC/lb solids
Volatile Organic Emissions as packaged, maximum 5.59 lb/gal, 670 g/L

Volatile Hazardous Air Pollutants (VHAPS):
as packaged - 0.00 lbs/lb solids

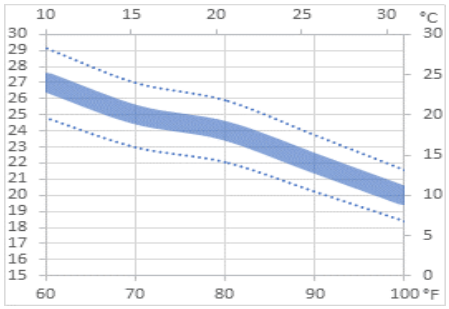
An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com

CHARACTERISTICS

Gloss: NA

Volume Solids: 24.3 ± 2%
Weight Solids: 31.2 ± 2%

Viscosity: #2 Zahn Cup 20 – 25 sec.



The above chart is for information only and should not be used as product specifications

Recommended film thickness:
Mils Wet 3.0 – 5.0
Mils Dry 0.73 – 1.21
Spreading Rate (No Application Loss) 296-578 sq ft/gal @ 0.73-1.21 mils DFT

Drying (77°F, 50% RH):
To Touch: 15 – 20 min.
To Handle: 30 min.
To Sand: 30 min.
To topcoat: 40 min.
Force Dry: 20 min. @ 120-140°F.

Flash Point: PMCC 24 °F.

Mixing Ratio: 9 parts T63FH7
1 part V66V90
Pot Life: 4 hours

Package Life: 24 months, unopened

*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ

SPECIFICATIONS

Surface preparation

Wood - New Work (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%.

Previously finished wood (interior only):

Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

APPLICATION

Typical Setups

May be applied by:
Conventional Spray
Airless Spray
Air Assisted Airless
HVLP
LVMP

Reduce:
As needed for application up to 20% with R6K18 (Butyl Acetate)

Retard:
As needed for application with R6K30 (MAK) or R6K35 (EEP) up to 5%

Typical Setups
Conventional Spray:
Air Pressure..... 45 – 55 psi
Fluid Pressure ..... 8 – 10 psi
Fluid Tip……042-.055

Airless Spray:
Pressure ..... 1800 - 2100 psi
Tip ..... .009" - .013"

Air Assisted Airless:
Air Assist Pressure ..... 15 - 25 psi
Fluid Pressure .....600 - 900 psi
Tip .....009" - .013"

HVLP:
Air Pressure at the cap ..... 9 psi
Fluid Pressure ..... 6 - 8 psi
Tip 042-.055

LVMP
Air Pressure..... 23 - 29 psi
Fluid Pressure ..... 7 - 9 psi
Fluid Tip.....039-.055

Cleanup:
Clean tools/equipment immediately after use with R6K10 or R7K320 HAPS Compliant Lacquer Thinner

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- This product must be catalyzed with Sher-Wood® Catalyst V66V90 before use at a level of 9 parts sealer to 1 part V66V90. Complete crosslinking and film properties will not be attained without catalyzation. Catalyst must be added by the user. This product should be used within 4 hours of being catalyzed to obtain optimum properties.
- Store at room temperature (under 80°F) after catalyzation. Higher temperatures will reduce the pot life.
- Apply under Sher-Wood® Polyurethane Clear Topcoat T73FH8 series to meet KCMA requirements.
- To achieve maximum performance properties a minimum of 3.0 mils DFT for the total system is required.
- Total film thickness of system must not exceed 5.0 mils dry film because heavier films may show cracking and checking tendencies.
- For interior use only.
- Maximum cure and chemical resistance is attained after 10 days air- drying.
- To maintain HAPS compliance, only reduce with HAPS compliant reducers.
- For improved non-yellowing performance Polane® Catalyst V66V55 is recommended with a mix ratio of 12 parts Polyurethane Sealer to 1 part V66V55. You will experience somewhat slower dry and cure than with V66V90.

Performance Tests:
Cold Check Resistance.....20 cycles
Print Resistance: Catalyzed w/V66V90
No print 3.5 mils DFT, 24 hours air dry, at 2 psi at 77°F in direct contact with 8 oz. duck cloth.
Household Chemicals Test:
Panels were aged 21 days at room conditions and tested per KCMA A161.1-2000–9.3. After removal, the finish was examined and the following results noted:
Vinegar ..... No Visual Effect
Lemon Juice .....No Visual Effect
100 Proof Alcohol..... No Visual Effect
Mustard .....No Visual Effect
Olive Oil..... No Visual Effect
Coffee ..... No Visual Effect
Orange Juice..... No Visual Effect
Grape Juice..... No Visual Effect
Catsup ..... No Visual Effect
Detergent Solution ..... No Visual Effect

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

Please direct any questions or comments to your local Sherwin-Williams facility.

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