SHER-WOOD® Polyurethane Clear Topcoat

5 Sheen Clear.....T73FH8
60 Sheen Clear…...…T73FH11
20 Sheen Clear……T73FH9
Catalyst……V66V30
35 Sheen Clear……T73FH10

DESCRIPTION

SHER-WOOD® Polyurethane ClearTopcoat is a high performance 2K Urethane topcoat for the general interior wood finishing market.

Advantages:

- Meets KCMA specifications as a self sealing system or over Sher-Wood Urethane Primer T63FH7
- HAPS compliant
- 3 hour working potlife 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.
- Versatile application – may be applied by conventional, airless, air-assisted airless spray.
- Ideal for kitchen cabinets, vanities, chairs, office furniture, household furniture

Air Quality Data:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) theoretical as packaged, maximum less exempt solvents:
  5.56 lb/gal, 666 g/L.
  Catalyzed
  5.62 lb/gal 673 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged maximum: 0.05 lb/lb

VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations

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

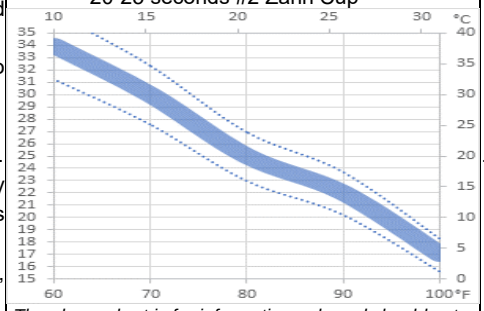
CHARACTERISTICS

Gloss:

T73FH11	60 units
T73FH10	35 units
T73FH9	20 units
T73FH8	5 units

Volume Solids: 23 - 27 ± 1%
Weight Solids: 29 - 33 ± 1%

Viscosity:
20-25 seconds #2 Zahn Cup



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	0.8 – 1.3

Spreading Rate (no application loss)
402 sq ft/gal @ 1mils DFT

Drying (77°F, 50% RH):

To Touch:	20-30 minutes
To Handle:	40-50 minutes
To Sand:	40-50 minutes
To Recoat:	No critical recoat
To Pack:	Overnight
Force Dry:	30 minutes at 120- 140°F,

Flash Point: 24°F Pensky-Martens Closed Cup

Mixing Ratio:

3 parts	T73FHx
1 part	Catalyst, V66V30

Pot Life: 3 hours

Package Life: 1 year, unopened

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

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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.

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APPLICATION

Typical Setups

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

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%

Conventional Spray:
Air Pressure ..... 40 - 50 psi
Fluid Pressure..... 8 - 12 psi
Cap/Tip 1.4mm
Reducer……..R6K18 (Butyl Acetate)
Recommended Viscosity……..19-22 sec
Reduction Rate .....as needed up to 20%

Airless Spray:
Pressure ..... 1500 – 1800 psi
Tip ..... .011" - .013"
Reducer ..... R6K18 (Butyl Acetate)
Recommended Viscosity….19 – 22 sec
Reduction Rate .....as needed up to 20%

Air Assisted Airless:
Air Assist Pressure ..... 15 – 25 psi
Fluid Pressure ..... 450 – 900 psi
Cap/Tip ..... .009" – 0.013"
Reducer ..... R6K18 (Butyl Acetate)
Recommended Viscosity… 19 – 22 sec
Reduction Rate .....as needed up to 20%

HVLP:
Air Pressure at the cap ..... 9 psi
Fluid Pressure ..... 12 psi
Cap/Tip ..... 97AP Blue Max/94
Reducer ..... R6K18 (Butyl Acetate)
Recommended Viscosity….19 – 22 sec
Reduction Rate ..... as needed up to 20%

Cleanup:
Clean tools/equipment immediately after use With MEK, R6K10 or HAPS Compliant Lacquer Thinner R7K320.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

- Sher-Wood Polyurethane Clear Topcoat must be catalyzed with V66V30 before use, at a 3:1 ratio. Complete cross-linking and film properties will not be obtained without catalyzation. Catalyst must be added by the user. Product should be used within 3 hours of being catalyzed to obtain optimum properties.
- To achieve maximum performance, a minimum of 3.0 mils DFT is required.
- Total film thickness of systems must not exceed 5.0 mils DFT. 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.

Performance Tests:

Cold Check Resistance ..... 20 cycles

Print Resistance: Catalyzed w/V66V30
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

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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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