Industrial Wood Coatings

CC-F89

SHER-WOOD®
Clear Polyester Basecoat

Clear Basecoat.....H64FH2
Accelerator (cobalt).....V70CH35
Light Accelerator (cobalt) ..V70CH34
Catalyst (mek-p).....V66VH24

DESCRIPTION

SHER-WOOD® Clear Polyester Basecoat is an unsaturated, three component high performance sealer technology for specialty interior wood products for use under Sher-Wood® Polyester Topcoats. This premium basecoat provides a quick build, easy sanding coating with excellent flow and leveling characteristics for both vertical and horizontal application.
SHER-WOOD® Clear Polyester Basecoat and Topcoat systems are well suited for many specialty interior wood applications such as table tops, bar tops, musical instruments and high-end yacht and private jet wall paneling and furnishings.

Advantages:
- Quick build
- High film thickness capable
- Excellent clarity
- Good sanding characteristics
- Can be used as a filler/basecoat for 2K solvent polyurethane coatings
- For lighter colors, use Light Accelerator (V70CH34)

Air Quality Data:
- Non-photochemically reactive
- Volatile Organic Compounds (VOC) Theoretical as applied, reduced 20% with MEK:
  3.20 lb/gal, 383 g/L less exempts

  Theoretical as applied, unreduced:
  2.26 lb/gal, 271 g/L less exempts

- Volatile Hazardous Air Pollutants (VHAPS) as applied, reduced or unreduced maximum:
  0.66 lb/lb of solids

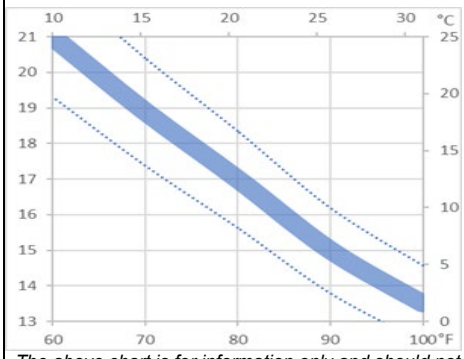
An Environmental Data Sheet is available from your local Sherwin-Williams facility or www.paintdocs.com

CHARACTERISTICS

Theoretical as supplied

Volume Solids: 48.04% ± 1%

Viscosity: 15-20 sec Zhan #4 Sig. Cup @ 77°F



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

Drying (77°F, 50% RH):

Gel time:	30-50 minutes after mixing accelerated part A with catalyst
To touch:	Less than 2 hours To
Recoat:	15-45 minutes (not sanded / wet on wet)
To Sand:	4 hours

Flash Point: 12°F PMCC as supplied.

Package Life:

H64FH2:	9 months, unopened
V70CH35:	12 months, unopened
V70CH34:	12 months, unopened
V66VH24:	6 months, 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

Wood Finishing System:
1. Stain (optional) wood as desired and allow for adequate dry time. Stained and/or resinous wood species should be sealed with Sayerlack® Resinous BarrierCoat(TR4027B00 / XT4028A00) prior to applying polyester. See corre- sponding data sheet for details.
2. Apply H64FH2 polyester basecoat 6-8 wet mils. Allow 15-45 minutes gel time for subsequent coats.
3. Apply an additional coat of H64FH2 polyester basecoat at 6-8 wet mils if desired. If film is completely dry between coats, sand with 320 grit sand paper and remove sanding dust and debris.
4. Topcoat with Sher-Wood® Polyester Topcoat.
5. The total system dry film thickness should not exceed 23 mils.

For optimal inter-coat adhesion, the topcoat (polyester or polyurethane) must be applied within 4 hours after sanding. If more than four hours has transpired, resand the film before applying the topcoat.

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

Application Method:

Conventional Equipment with HVLP Gun:
Tip ..... 1.2mm - 1.8mm
Fluid Pressure .....50 psi
Air Pressure.....30 psi

Reduction:
Can be reduced with Acetone (R6K9), Ethyl Acetate or MEK (R6K10) up to 20%. Reducing will slightly extend the working pot-life or gel time.

Cleanup:
Clean tools/equipment immediately after use with Acetone, Ethyl Acetate or MEK.

Follow manufacturer's safety recommendations when using any solvent.

Accelerator Selection:
Due to the cobalt content in accelerators, they have a blue tone. For lighter colored wood species, lighter colored stain or white polyester applications, it is recommended to use the Light Accelerator (V70CH34). V70CH34 contains half of the cobalt content and will not impact initial color as much as V70CH35. In warmer climate, V70CH34 or V70CH35 can be reduced 1% to avoid problems with stratification.

Mixing:
WARNING: Do not allow the cobalt accelerator products (V70CH34 and V70CH35) to come in direct contact with the mek-p catalyst (V66VH24). This causes a violent chemical reaction which can constitute a hazard for the operator.

Hot-potting:
Always mix part A (H64FH2) with the accelerator (V70CH34 or V70CH35) at 2% first. Mix well. Then add catalyst portion (V66VH24) at 2% to the mix and mix well. Working pot-life or gel time is 30-50 minutes.

Mixing by weight for hot-potting:

Part #	Weight (grams)
H64FH2 Polyester Basecoat	100 grams
V70CH34 or **V70CH35** Accelerator	1.72 grams
V66VH24 Catalyst	1.91 grams

ADDITIONAL INFORMATION

1:1 Plural component equipment: When using 1:1 plural component spray equipment, split the part A side into equal parts. Mix one side of the part A with accelerator at 4%. The shelf-life of this side of the mix is 5 days @ 77°F. Mix the other side of part A with the catalyst at 4%. The shelf-life on this side of the mix is 36 hours @ 77°F.

Mixing by weight for 1:1 plural component equipment:

Part #	Weight (grams)
H64FH2 Polyester Basecoat	100 grams
V70CH34 or **V70CH35** Accelerator	3.44 grams
V66VH24 Catalyst	3.82 grams

Accelerators for polyester like V70CH34 & V70CH35 are heavy metal salts and could give place to spontaneous combustion. For this reason they have to be handled with care and they should not to be mixed directly with peroxides (like V66VH24) in order to avoid strong exothermic and explosive reaction. Accelerator must be mixed immediately after added to polyester to avoid backlogs of accelerator. It is important to clean mixing tools and clean after work for the same reasons.

Catalysts for polyester like V66VH24 are organic peroxides and have to be handled with care and they are not to be mixed directly with accelerators like V70CH34 or V70CH35 in order to avoid strong exothermic and explosive reaction. Catalyst must be mixed immediately after added to polyester to avoid backlogs of catalyst. To avoid corrosion it is important to clean mixing tools immediately after use.

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.

Recommended Storage:
H64FH2 - Do not exceed 100°F (38° C). **V70CH34 & V70CH35:** - Do not exceed 100° F (38° C). Do not store at temperatures lower than 41° F (5° C). **V66VH24:** –To avoid changes in reactivity caused by instability, store product at tempera- tures 65°-100°F (18° - 30°C). Never exceed 100°F (38° C). Avoid contact with reducers like: amines, ac- ids, alkalis and metals as accelerators and driers. Never decant or weigh catalyst in the storage place. Avoid exposure to direct sunlight.

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