



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-F84

SHER-WOOD® SB Stain

Black.....D59B70
Blue.....D59L86
Burnt Umber.....D59N71
Raw Umber.....D59N72
Van Dyke Brown.....D59N73
Burnt Sienna.....D59N74
Red Oxide.....D59R75

Transoxide Red.....D59R76
Brite Red Y/S.....D59R77
Deep Red B/S.....D59R78
Magenta.....D59R79
Yellow Oxide.....D59Y81
Transoxide Yellow.....D59Y82
Raw Sienna.....D59Y83

Brite Yellow.....D59Y84
White.....D59W85
Stain Base.....S64T70
Clear Base.....S64T72
Stain Concentrate.....S64T78
Custom Blend (Wipe Stain)S64SB Series
Custom Blend (Spray Stain) ...S67SB Series

DESCRIPTION

SHER-WOOD® SB Stain Colorants are highly pigmented alkyd dispersions formulated specifically for coloring wiping stains, spray stains, glazes, and fillers.

SHER-WOOD® SB Wiping Stain Bases (S64T70 and S64T72) and **SHER-WOOD® SB Concentrate Base** (S64T78) are clear wiping stain bases specifically formulated to work with the **SHER-WOOD® SB Stain Colorants**. S64T70 is a low solids clear stain base. S64T72 is a low solids clear stain base developed for areas requiring a lower VOC stain offering. S64T78 is a high solids clear stain base designed for making custom stain bases.

Advantages:

- Broad palette of rich colors
- Concentrated colorants for strong staining with excellent clarity
- Durable colors - light stable, acid resistant, and non-bleeding colorants
- Compatible with other Sher-Wood solvent based products
- Use under all Sher-Wood sealer and topcoat systems
- No reportable VHAPS

CHARACTERISTICS

SB Colorants:

Weight solids: 60 – 87%
Volume solids: 50 – 72%

Air Quality Data:

Non-photochemically reactive.
Volatile Organic Content (VOC) theoretical as packaged, less exempt solvents: 1.8-3.1 lb/gal, 220-373 g/l varies by color

SB Clear Bases:

S64T70 – SB Stain Base

Weight solids: 12.0%
Volume solids: 9.1%

Air Quality Data:

Non-photochemically reactive.
Volatile Organic Content (VOC) theoretical as packaged, less exempt solvents: 5.87 lb/gal, 703 g/l

CHARACTERISTICS CONT.

S64T72 – SB Clear Stain Base

Weight solids: 22.1%
Volume solids: 18.5%

Air Quality Data:

Non-photochemically reactive.
Volatile Organic Content (VOC) theoretical as packaged, less exempt solvents: 2.28 lb/gal, 274 g/l

S64T78 – SB Concentrate Base

Weight solids: 55.4%
Volume solids: 47.8%

Air Quality Data:

Photochemically Reactive.
Volatile Organic Content (VOC) theoretical as packaged, less exempt solvents: 3.36 lb/gal, 403 g/l

Drying (77°F, 50% RH)

Working time: Wipe within 5 minutes or before stain flashes off.
To Recoat: 30-60 minutes after staining.
Dry time may be extended due to high humidity, low temperatures, or inadequate ventilation.

Flash Point:

D59 Colorants: 88°F - 105°F PMCC
S64T70: 100°F PMCC
S64T72: 4°F PMCC
S64T78: 80°F PMCC

Package Life:

2 years,
unopened

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

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

Solvent Selection:

These solvents are commonly use in a wipe stain operation. These listed solvents are completely compatible with the D59 SB Colorants and can be blended and used in all proportions. Highly pigmented stains require longer dry times than lower solids stains. For very dark colors a two-step process such as dye/wiping stain may be required.

VHAPS Compliant Solvents

VM&P Naphtha R1K3 – Fast
Mineral Spirits R1K4 – Medium
140 Flash R1K140 - Slow

VHAPS Containing Solvents

Toluene R2K1 – Fast
Xylene R2K4 – Medium
Hi-Flash Naphtha 100 R2K5 – Slow
Aromatic Naphtha 150 R2K7 - Very Slow
2-Butoxyethanol R6K25 - Very Slow

Note: The recommended pigment load of SB Stain Colorants for staining wood under lacquers and precatalyzed lacquers is 5-15% by weight. The recommended pigment load of SB Stain Colorants for staining wood to be used under Conversion Varnish systems is 5- 30% by weight.

Application as a Wiping Stain:

Apply a wet coat of the stain by spray, brush or a lint free cloth. Work the stain into the wood using a circular wiping motion, open time is 1-5 minutes. Working time will vary dependent on the stain formulation, application, and shop conditions. Finish by cleanly wiping excess stain off the surface with the grain. If wiping becomes difficult due to dryness of the stain, rewet with a cloth dipped in stain, then wipe again. Multiple coats of wiping stain are not recommended, this will cause adhesion problems. This technique is for staining, not painting the wood.

Cleanup:

Clean tools/equipment immediately after use with Mineral Spirits, VM&P Naphtha or HAPS complying Lacquer Thinner, R7K320. Follow manufacturer's safety recommendations when using any solvent.

APPLICATION CONT.

Spray (No Wipe) Stain Formulations

SB Spray Stain Colorants make excellent spray (no wipe) stains when used with specific solvent blend combinations to optimize the application where a faster dry stain is needed. **It is recommended to use SB Stain Colorants up to 15% by weight in spray stain formulations.** This will create a low to moderately strong spray stain formulation. Blending with faster or slower solvents will adjust the drying as well as penetration. **For faster drying, custom spray base formulations, please consult your local Sherwin-Williams Product Finishes Representative.**

Application as a Spray Stain: HVLP Application:

SB Spray Stain base formulations should be sprayed as a medium to full wet coat at low fluid pressure to dial in the color.

Gun.....Binks Trophy Series
Atomizing Air Pressure..... 10-20psi
Fluid Pressure.....5-10 psi
Cap/Tip.....HVLP 32-H/ 45-11050-1.2

Glaze Formulations

Sher-Wood® Glaze and Sher-Wood® KEMVAR® Glaze can be tinted with SB Colorants up to 25% maximum in clear glaze base and 10% maximum in the White and Van Dyke Brown.

ADDITIONAL INFORMATION

- For interior use only.
- Do not use under ULTRA-CURE® UV products.
- **Agitate materials before and while using.**
- Avoid vigorous agitation, which may cause bubbling or foaming.
- Customer should test the stain and the clear coat system under shop conditions to validate performance characteristics.

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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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