

**SDF:** A superior penetrating finish for siding. In just one coat SDF will provide lasting protection and beauty to wood. SDF has exceptional UV resistance and creates a monolithic bond with wood for long-term durability that won't crack, peel or blister. Available for on-site application or factory finish applications using Precision Coat SDF formulas.

FEATURES

- Environmentally-friendly
- Penetrating – ensuring wood stability and long term integral protection
- One-coat protection
- Low VOC
- Molecularly compatible – creates a monolithic bond with wood for long term protection
- Dimensional stabilization – reduces warping, shrinking, checking
- Non-flammable
- Nano Tints – translucent, finely ground iron oxide pigments provide exception clarity and protection
- UV protection – designed for maximum UV resistance to ensure long term maintainability
- Repels water but allows evaporation – critical to long term wood stability

APPLICATIONS

- Siding
- Decks
- Fences
- Outdoor Furniture
- Log and Timber Homes

COLORS

Available in standard and architectural custom colors.

| Formula/Base | Color                       | Finish     |
|--------------|-----------------------------|------------|
| 0 Base       | Naturals & Transluents      | Low luster |
| 2 Base       | Saturated & Ultra Saturated | Low luster |
| Deep         | Semi-Solid                  | Low luster |
| White        | Semi-Solid                  | Low luster |

FORMULAS

Sansin SDF is available in pigmented and clear base formulas. Use SDF 0-Base to dilute a color for maintenance applications. Precision Coat SDF formulas for factory finishing are available from premium wood finishers in 5-20 year limited warranty systems.

TINTABLE BASES

Sansin SDF is available in four tintable bases. SDF-0 Base for Natural and Translucent colors and SDF-2 Base for Saturated, Ultra Saturated and Deep or White Base for semi-solid and solid colors.

CHARACTERISTICS

- Appearance.....Natural, Translucent, Saturated & Solid
- Coloring.....Standard and Custom
- Odo.....Low
- Form.....Liquid
- Specific Gravity.....1.00-1.03
- Density.....8.3-8.4
- pH, ( approx. ).....8.8-9.0
- Viscosity, #2 ZAHN Cup, 20°C (68°F).....49-52 Sec.
- Solvents.....Low
- Freezing Point.....1°C (31°F)
- Dilutant.....Water
- Cleanup.....Soap & Water
- Drying Time ( To Touch ) @ 20°C (68°F).....4-6 Hours
- Drying Time( Between applications ) @ 20°C (68°F).....24 Hours
- Coverage Pending to Penetration.....200-350 sqft/ USgal @ 6 mil or 150 micron wet
- Longer drying time needed in high humidity or low temperature
- Keep from freezing
- VOC(g/L).....Actual – 32 / Regulatory –152

PACKAGING

Quarts, Gallons, 5-Gallon pails

PREPARATION

PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Inspect wood surfaces for defects and make any necessary repairs.
- Use Sansin cleaner and/or wash the entire surface with a minimum 3000 PSI pressure washer use clean water.
- Sand the surface well using a 60-80 grit paper and a variable speed orbital sander.
- Follow by power washing, vacuuming or using compressed air for proper cleaning. Surface must be clean, free from dust, dirt, grease, wax or any existing coatings.



PRESSURE WASHING 3000 PSI



FINISH SANDING #50-#80 GRIT

APPLICATION METHODS

- Always flood surface to the point of saturation
- Dipping
- Brushing
- Flood coating
- Spraying – hand or automated spraying (low pressure or airless)



SHAKE CONTAINER AND STIR WELL BEFORE AND DURING USE



APPLY SANSIN SDF EVENLY BY BRUSH OR SPRAY APPLICATION

SDF™

ENVIRO STAIN®





#### WORKING PROCEDURE

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- Stir well before and during the application process.
- Test formula on an inconspicuous wood surface to ensure proper color and penetration.
- Apply in proper conditions with an ideal temperature of 21°C (70°F) and relative humidity of approximately 50%.
- Do not apply if rain or near freezing temperatures are expected.
- Saturate the wood surface.
- Brush out any puddles and runs and level the finish.
- Do not apply on wood that is warm to touch or in direct sunlight.
- Apply a second coat for added protection. When applying just one coat be sure to apply adequately and consider doubling the tint load for Natural and Translucent formulas.

#### MAINTENANCE

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Vertical surfaces require maintenance every 3-6 years. Maintenance is necessary when the surface shows signs of wear, such as fading or erosion. Maintaining your wood on a regular basis will ensure long-lasting color retention, exceptional dimensional stabilization and effective water repellency. Periodically, clean the wood surface with a power washer or Sansin Multi-Wash to remove dirt and residue. How frequently maintenance coats are required will depend on the quality of prior preparation, quality of application, number of coats, weathering and exposure levels. If fading or erosion is evident, prepare wood by using a power washer to lightly clean the wood surface; or use Sansin Multi-Wash. Then re-apply one maintenance coat of Sansin SDF according to instructions. Use SDF O-Base to dilute color intensity up to 50%.

#### STORAGE

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Shelf life when stored in ideal conditions is 18 months. Store at a temperature of between +10°C and + 30°C (50°F and 86°F). Keep containers tightly closed.

#### SAFETY

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See Material Safety Data Sheet.

#### WARNING TO USERS

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Keep out of reach of children, if swallowed immediately drink two glasses of milk or warm water. Do not induce vomiting. Call physician immediately. Avoid contact with skin or eyes; flush with soap and water. Avoid breathing of vapor or mist. Wear a properly fitted NIOSH/MSHA approved respirator.

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#### CONDITIONS OF SALE

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The only obligation of the manufacturer and seller shall be to replace such quantity of Sansin product that is proven to be defective. Proof of purchase is required. Seller or manufacturer shall not be liable for any loss or damage connected with the use and/or handling of this product. All labor costs are specifically excluded. User should determine suitability of product for the intended use before application. User assumes all risk and liability in connection therewith. This warranty is expressly made in lieu of any and all other rights, warranties, conditions and remedies, express or implied, including but not limited to any implied warranty or condition of merchantability, fitness for a particular purpose, and any warranty or condition arising out of a course of dealing, a custom or usage of trade. If any distributor or seller of product offers warranties or remedies which differ from those offered by Sansin, Sansin accepts no responsibilities for such warranties or remedies.

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