



ENVIRO STAIN®



FOR SIDING,  
DECKS AND FENCES

**DESCRIPTION** Sansin SDF is an environmentally-friendly one-coat wood finish designed for siding, decks and fences. It is UV resistant, water-repellent, low in VOC's, and non-flammable with easy soap and water clean-up. With just one application, this unique formula provides a rich and attractive coating that offers lasting protection. Sansin SDF will not crack, peel or blister. Maintenance cycles can be planned every two to three years on horizontal surfaces and three to six years on vertical surfaces depending on the number of coats applied. SDF may be used as the penetrating primer coat to Sansin ENS.

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### APPLICATIONS

- Siding
- Decks
- Fences
- Outdoor furniture
- Log Homes

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### PRODUCT BENEFITS

- Environmentally responsible
- Penetrating formula
- One coat application
- Can be applied on damp wood
- Creates dimensional stability
- Non-flammable
- Breathable
- UV resistant
- Water repellent
- Made in Canada

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### CHARACTERISTICS

- Appearance ..... Natural, Translucent & Saturated
- Coloring ..... Saturated and Custom
- Odor ..... 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)..... 18-22 sec
- Solvents..... Low
- Freezing Point ..... -1°C (31°F)
- Diluent ..... Water
- Cleanup ..... Soap and Water
- Drying time (to touch) @ 20°C (68°F) ..... 4-6 hours

- Solids ..... 18% ±0.5%
- Drying time (between applications) @ 20°C (68°F) ..... 24 hour
- Wet Film Thickness..... 6 Wet Mills/USgal
- Coverage ..... 265 sq/ft/USgal
- Longer drying time needed in high humidity or low temperature
- VOC (g/l) ..... Actual – 32  
..... Regulatory – 152

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### PACKAGING

Available in Quarts, 1 and 5 US gallon plastic containers

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### FORMULAS

Sansin SDF is available in pigmented and clear base formulas, use SDF-0 Base to dilute a colour for maintenance and applications.

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### COLORS

Available in the complete Sansin color offering as well as architectural custom colors.

Color	Grain visibility, hide, definition, augmentation	Finish
Naturals	Transparent	Flat Low luster
Translucent	Semi Transparent	Flat Low luster
Saturated	Solid	Flat Low luster

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### TINTABLE BASES

Sansin SDF is available in two tintable bases SDF-0 for Naturals colors and SDF-2 for translucent, saturated and ultra saturated colors.

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## PREPARATION

- Inspect the entire surface for defects and deterioration. Repair and replace defects where necessary. Use Sansin cleaners and/or wash the entire surface with a minimum 3000 PSI pressure washer using only clean water
- Sand machined or planed surfaces using a plate sander or an orbital sander with 60 grit sandpaper. Follow by power washing (500 PSI), vacuum or compressed air for proper cleaning. Allow to dry.

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## APPLICATION METHODS

- Always flood surface to the point of saturation (approximately 5-6 wet mil)
- Dipping
- Brushing
- Spraying; hand or automated spraying (low pressure or airless)

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## WORKING PROCEDURE

- Test formula on an inconspicuous wood surface to ensure proper color and penetration.
- Apply in proper conditions, ideal temperature of 21°C (70° F) and relative humidity of approximately 50%.
- For best results, apply a flood coat of Sansin SDF, to a point of maximum absorption. Always back-brush the surface a few minutes after application.
- Continually check the surface; wipe up all puddles and brush out any runs.
- For additional protection an additional coat of SDF may be applied.
- Do not apply in the heat of day or in direct sunlight as this will cause surface filming and limit penetration which may result in peeling at a later date.
- Do not apply if rain or near-freezing temperatures are likely to occur within 24 hours after application.
- When using a tinted product be sure to stir well before and during application.
- Always read published directions for use prior to beginning a project.

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## MAINTENANCE

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 and weather 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.

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## STORAGE

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.

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**SAFETY** See Material Safety Data Sheet

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## WARNING TO USERS

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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