



ENVIRO STAIN®

# ROOF-TEC

**DESCRIPTION** A penetrating, aqueous, low VOC modified Alkyd protective stain for wood shingles. Roof-Tec is available in Natural tones that maintain the “new,” look of wood and specified architectural colors. Sansin Roof-Tec hydrates wood with resins that protect against the elements reducing damage by water and Ultra violet light degradation. Sansin Roof-Tec will increase dimensional stability of shingles or shakes - reducing cupping & checking - dramatically increasing the life of the roof. Roof-Tec offers an effective guard against weathering and wood decay.

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### APPLICATIONS

Recommended for use on new and old, cedar and pine, shake and shingle roofs. Available in natural, clear bleaching and specified architectural custom colors.

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### PRODUCT BENEFITS

- Environmentally friendly
- Low VOC
- Molecularly Compatible, creating a monolithic bond with the wood
- Deep wood penetration
- Reduces warping, shrinking, checking
- Retains desired character
- Breathing
- Non flammable
- UV protection
- Water repellent system
- Enriches the character of wood

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### CHARACTERISTICS

- Appearance ..... Transparent-Solid
- Coloring ..... Standard and Custom
- Odor ..... Low
- Form ..... Liquid
- Specific Gravity ..... 1.0 – 1.08
- Density ..... 8.3 – 8.9
- pH, (approx) ..... 8-8.5
- Viscosity, Brookfield #1, 60RPM),20°C (68°F) ..... 13-18/35-50cPs
- Solvents..... Low
- Freezing Point .....-1°C (31°F)
- Diluents ..... Water
- Cleanup ..... Soap and Water
- Solids (wt).....22.0% +/- 0.5%
- Drying Time (to touch) at 20°C (68°F)..... 4-6 hours
- Drying Time (between applications) at 20°C (68°F).....24 hours

- Coverage Pending to Penetration ..... 100-300 sq.ft./US gal
- Longer drying time needed in high humidity or low temperature
- Keep from freezing
- VOC(g/L).....Actual 42-46 g/L. ....Regulatory 170-175 g/L.

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### PACKAGING

Available in 5 US gallon containers.

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### PREPARATION

- 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 random orbital sanders
- 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

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### APPLICATION METHODS

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

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### WORKING PROCEDURE

- 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
- Do not apply on wood that is warm to touch
- Continually check the surface; wipe up all puddles and brush out runs
- Apply a second coat for increased protection and extended maintenance cycle
- Always read published directions for use prior to beginning any project

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### **MAINTENANCE**

Horizontal/Vertical services require maintenance every 1-4 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 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 of Sansin Roof-Tec according to instructions. Exposure, workmanship and color will affect the performance of the coating.

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### **STORAGE**

Store at a temperature of between +2°C and 25°C (36°F and 77°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 approved respirator.

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### **CONDITIONS OF SALE**

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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