

# Foundation: Invisible penetrating wood treatment that protects and stabilizes logs, timbers and laminated lumber. Dramatically improves topcoat performance for clear or light wood tones; pre-treat or use on site.

## FEATURES

- Ready to use formula
- Permanent wood treatment; creates a monolithic bond with wood
- Stabilizes wood components; reduces warping and checking
- Dramatically improves topcoat performance
- Superior UV protection for wood tissue and lignin
- Water repellent
- Near-invisible for superior clear or light wood tones
- Available in Fir, Cedar and Light Wood formulations

- For interior and exterior wood surfaces
- Deep wood penetration
- Breathable
- Protects wood and prevents weathering during construction
- Applicable to wood with a moisture content of up to 25%
- Environmentally responsible
- Clean-up with soap and water

## IMPORTANT

Product Data Sheets are based on "ideal" work conditions. Due to wood variability and varying environmental conditions, it is strongly recommended that the end-user needs to determine that the application conditions, coating product system, and techniques are suitable to reach the desired results. Please see Conditions of Sale.

## APPLICATIONS

Use Sansin Foundation on timbers, logs and dimensional laminated lumber to protect surfaces from UV degradation, moisture absorption and to enhance dimensional stability. Because Foundation is near-invisible, it delivers superior UV protection when a clear or light wood finish is desired. Using Foundation to protect wood during the manufacturing and construction process reduces in situ preparation and topcoat application costs while dramatically improving topcoat performance.

## FORMULAS

**Foundation SDF:** Penetrating, RTU, durable finish used as an undercoat to SDF and ENS finishes for interior and exterior wood surfaces. Recommended as a first coat when lighter wood tones or superior performance and clarity are desired for siding and other wood surfaces.

**Foundation Classic:** Deep penetrating, RTU and can be applied as an undercoat to ENS, Dec and Classic for both interior and exterior wood surfaces. Recommended as a first coat when lighter wood tones or superior performance and clarity are desired for logs, timbers, millwork and joinery projects.

Sansin Foundation formulas are intended as a permanent finish that should be applied to clean porous substrates in accordance to Directions for Use.

## COLORS

Available in Fir, Cedar and Light Wood formulations.



## CHARACTERISTICS

### Foundation SDF

- Appearance.....Milky (dries clear) invisible like
- Coloring.....Standard and Custom

- Odor.....Low
- Form.....Liquid
- Specific Gravity.....1.02
- pH, (approx).....8.48 – 8.9
- Viscosity.....14 –16 sec Z#2
- Solvents.....Low
- Diluents.....Water
- Cleanup.....Soap and Water
- Drying Time (to touch) at 20°C (68°F).....4-6hrs
- Coverage by flood coat.....300 sq.ft./US Gal
- Keep from freezing
- VOC(g/L).....48

### Foundation Classic

- Appearance.....Milky (dries clear) invisible like
- Coloring.....Standard and custom
- Odor.....Low
- Form.....Liquid
- Specific Gravity.....1.02
- pH,(approx).....8.8
- Viscosity.....14-16 sec Z#2
- Solvents.....Low
- Diluents.....Water
- Cleanup.....Soap and Water
- Drying Time (to touch) at 20°C (68°F)  
Wood MC of 18% or less.....6hrs
- Coverage by flood coat.....200 sq. ft./US Gal
- Longer drying time needed in high humidity or low temperature
- Keep from freezing
- VOC(g/L).....28

## PACKAGING

Available in 1 US gallon, 5 US gallon containers. Totes available upon request.

## PREPARATION

PREPARATION IS KEY TO A SUCCESSFUL PROJECT



PRESSURE WASHING 3000 PSI



FINISH SANDING #60-#80 GRIT

- Inspect wood surfaces for defects and make any necessary repairs.
- When appropriate use Sansin cleaner and/or wash the entire surface with a minimum 3000 PSI pressure washer using clean water.

# Foundation™

ENVIRO STAIN®



# Foundation™



- 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.
- Time between preparation and first coat should be minimal to same day or next day. If time is left consider sanding again for a clean, porous surface.

## LIQUID PREPARATION

- Mix liquid well before and during usage.
- Remove liquid from basin (sealable container) when not used or seal basin tightly.

## APPLICATION

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

## 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.

## COVERAGE

See Coverage information found under the Characteristics section of this Product Data Sheet. Coverage will depend on the surface condition of the wood.

## STORAGE

Store at a temperature of between +20°C and 25°C (36°F and 77°F). Keep containers tightly closed.

## SAFETY

See Material Safety Data Sheet.

## 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. The information contained in this document is given in good faith based on our current knowledge. The use of the product is beyond the control of The Sansin Corporation, and no guarantees, expressed or implied, are made as to the result to be obtained if not used in accordance with the published Directions for Use. The Sansin Corporation does not assume any legal responsibility for use or reliance on same. This information must on no account be used as a substitute for necessary field tests, which alone can ensure that the product is suitable for the expected use. Before using any product, read its label.

## 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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