

# Eos: Superior protection for a variety of exterior wood surfaces including thermally modified and acetylated wood substrates, sidings, decks, log and timber homes, shakes and fences. Low lustre finish. Two-coat application. Easy to maintain.

## FEATURES

- Environmentally friendly
- Won't crack, peel or blister
- Molecularly compatible creating a monolithic bond with wood for long term protection
- Dimensional stabilization – Reduces warping, shrinking and checking
- Nano tints – Deliver exceptional beauty and protection
- UV protection – Highly UV resistant therefore has sustainable protection
- Repels water but allows evaporation which is critical to long term stability and health of your wood.

## 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.

## COLORS

Available in the complete standard Ardera and Eos color offerings as well as architectural custom colors. Thermally modified and acetylated wood substrates should use standard Ardera and Eos colors. When requesting custom architectural colors or tones, be sure to specify the wood species and/or modified wood manufacturer.

## FORMULAS AND TINTABLE BASES

Sansin Eos is available in Clear, Naturals, Transluents, Saturated and Ultra Saturated formulas. Tintable bases are available to Colorant Dealers.

For a low lustre natural finish use Eos for the first coat in a full strength color formula in a two coat system. For the second coat use Eos in a full strength color or reduce the color formula by up to 50% or reduce full strength formulas using Eos O-Base. .

For a full finish and increased durability use Ardera as the second and third final coat over a first coat of Eos. Eos provides the penetrating wood protection for the Ardera finishing system. Use full strength colors for the Eos base coat and reduce Ardera color formulas up to 50% using Ardera O-base to meet translucent objectives.

Thermally modified and acetylated wood substrates. For Insitu application use only Eos full strength color formulas for first coat application and appropriately toned Ardera for the second and third coat applications.

## CHARACTERISTICS

- Appearance.....Natural, Translucent & Saturated
- Coloring.....Standard & Custom
- Odor.....Low
- Form.....Liquid
- Specific Gravity.....0.98-1.02
- Density.....8.3-8.5
- Solids Content.....22.0%±0.5
- pH (approx).....8.8-9.2
- Viscosity, #2 ZAHN Cup, 20°C (68°F).....22-26 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
- Drying time (between applications) @ 20°C (68°F).....24 hours
- 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 52.5/Regulatory 200

## PACKAGING

Available in Quarts, 1 and 5 US gallon plastic containers.

## PREPARATION

### PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Inspect wood surfaces for defects and make any necessary repairs.
- Use the appropriate Sansin cleaner and/or wash the entire surface with a minimum 3000 PSI pressure washer using clean water and proper technique. Be careful not to erode the surface..
- Sand the surface well with a 60-80 grit paper using a random 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.



POWER WASH ENTIRE SURFACE



SANDING #60-#80 GRIT

## APPLICATION

- For previously coated surfaces apply to a small test area to ensure proper drying, adhesion and durability.
- Brush using a good quality dual purpose brush.
- Spray using hand or airless equipment, .011-.013 tip, set pressure to ensure desirable spray pattern.
- Avoid high sheer pumps.

## WORKING PROCEDURE

- Stir well before and during application.
- Spray application is preferred using air assist or airless spray equipment.
- Apply a manageable film thickness.
- Back brush to even finish.
- Allow to dry.
- Consider sanding for a smooth finish and remove dust.
- Apply a second and third coat if necessary. Follow the above procedures. Ensure an adequate dry film thickness of 3 mils for optimum protection.

# Eos™

ENVIRO STAIN®



# Eos™



- Do not apply in heat of day or direct sun.
- Do not apply on wood that is warm to touch.
- Do not apply if rain is expected or in near freezing temperatures.

## 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 repellence. 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 Eos according to instructions. Exposure, workmanship and color will affect the performance of the coating.

## 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.

## 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/MSHA 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, is 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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JULY 2019

