

ENS OPTIMUM CLEAR: An environmentally-friendly, clear finish that is highly durable and designed as a finish coat for previously coated, or primed surfaces. It is compatible with many transparent or solid finishes such as SDF, Classic, Dec, ENS or other manufacturers water-based and solvent based paint and finishes. ENS Optimum Clear will provide additional UV resistance, durability and a beaming finish. It also offers excellent adhesion characteristics and can be applied over many water based alkyd products to enhance beauty and durability to wood, metal, fiber glass and composite substrates.

FEATURES

- Environmentally friendly
- Excellent adhesion
- High solids
- Glass-like premium finish
- Tough durable finish
- Non flammable liquid
- Exceptionally UV resistant
- Water repellent

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

- Outdoor furniture and decks
- Millwork
- Wood and fiber glass windows and doors
- Vertical exterior surfaces such as wood siding, metal or composites
- Garage doors

CHARACTERISTICS

- Form and Appearance.....Milky Liquid
- Appearance on wood.....Gloss, Satin, Low Lustre, Extra Low Lustre
- Coloring.....Standard
- Odor.....Low
- Specific Gravity (g/cm3).....1.00-1.03
- Density (lbs/gal).....8.3-8.4
- pH.....8.8
- Viscosity, #2 Zahn Cup, 20°C.....60-70 sec.
- Sag Resistance.....6 mils wet
- For spray applications reduce with up to 5% water
- Solvents.....Low
- Solid Content.....40% +/-1%
- Freezing Point.....-1°C (31°F)
- Diluent.....Water
- Cleanup.....Soap & Water
- Drying Time (To touch) @ 20°C (68°F).....40 Minutes
- Drying Time (Between applications) @20°C (68°F).....4 hours
- Wet Film Thickness.....4-6 Wet Mils/US Gal.
- Coverage.....250-400 sq.ft./US Gal
- Longer drying time needed in high humidity or @ low temperature
- VOC (g/L).....Actual – 70 / Regulatory – 164

PACKAGING

Quarts, 1 and 5 US gallon plastic containers.

FORMULAS

Available in Gloss, Satin, Low Lustre and Extra Low Lustre finishes. To maintain clarity Optimum Clear Gloss should be used as the intermediate coat when using Low or Extra Low Lustre as the final coat.

Low lustre finishes require more frequent cleaning and maintenance than higher lustre finishes. For natural, translucent and solid colors, ENS Optimum Clear should be toned appropriately for improved UV performance. See a qualified dealer or request a custom color from Sansin.

PREPARATION

PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Inspect surface for defects
- Make necessary repairs.
- Clean using Sansin Multi-Wash and rinse well.
- Allow to dry.
- Sand entire surface.
- Surface must be clean, free from dirt, dust, grease and wax.



CLEAN USING SANSIN
MULTI-WASH™



FINISH SANDING #60-#80 GRIT

APPLICATION METHODS

- For previously coated surfaces apply a small test area to ensure proper drying, adhesion, durability and compatibility to the surface.
- Brush using a premium quality dual purpose brush.
- Spray using conventional, air assist or airless systems, refrain from using high sheer pumps.

WORKING PROCEDURE

- Stir well before and during application.
- Spray application is preferred using air assist airless or HVLP spray equipment.
- Apply a manageable film thickness.
- Consider the wet film thickness to determine the number of finish coats.
- Do not overwork ENS as it is fast drying.
- 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 freezing temperatures.

ENS™

ENVIRO STAIN®



1-2
COATS



HIGH
DURABILITY



UV
RESISTANT



ECO
FRIENDLY



ENS™



MAINTENANCE

Vertical surfaces require maintenance every 4-6 years. Maintenance is necessary when the surface shows signs of wear, such as, clouding, fading or erosion. Maintaining your surface on a regular basis will ensure long-lasting color retention, dimensional stabilization and effective water repellency. Periodically, clean the surface with Sansin Multi-Wash to remove dirt and residue. Maintenance coat frequency will depend on the quality of prior preparation, substrate quality, construction quality, quality of application and degree of exposure. If fading or erosion is evident, use Sansin Multi-Wash, rinse well and allow to dry. Scuff sand for improved adhesion, apply one maintenance coat of Sansin ENS optimum clear or a slightly toned version of optimum clear using the naturals Colors formulas or a dilution thereof. Color, transparency, exposure, workmanship will affect the performance of the coating.

STORAGE

Shelf life when stored in ideal conditions is 18 months. Store at temperatures 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.

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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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