



ENVIRO STAIN®

# PRODUCT DATA SHEET



NON-YELLOWING  
CLEAR FINISH

**DESCRIPTION** Sansin Purity Interior Glacier is an exceptionally clear, non-yellowing environmentally-friendly clear wood finish. Sansin Purity Interior Glacier offers the durability of an alkyd finish with the ease of application and cleanup of waterborne formulas. It is UV resistant, washable and non-flammable with easy soap and water clean-up. Available in flat, satin and gloss formulations. For optimum UV protection or if a special color or toning is desired, use Sansin Purity Interior Stain as the first application.

### APPLICATIONS

- Wood cabinetry
- Shelves
- Doors
- Windows
- Ceilings
- Walls
- Log home interiors
- Furniture and other fine wood surfaces

### PRODUCT BENEFITS

- Excellent water resistance
- User friendly
- UV protection
- Tough film
- Non flammable
- Clean-up with water and soap

### CHARACTERISTICS

- Appearance ..... Milky Liquid
- Odor ..... Mild Ammonia Odor
- Form ..... Liquid
- Specific Gravity..... 1.05
- Density..... 8.4 Lb/gal
- Solids..... 34% +/- 1
- pH, (approx.) ..... 8.5
- Viscosity, Zahn #2 ..... 19 sec +/-1
- Freezing Point ..... -1°C (31°F)
- Diluents ..... Water
- Cleanup ..... Soap & Water
- Drying Time (To touch) at 20°C (68°F) ..... 30 Min
- Coverage ..... 400-500 sq.ft./US gal
- Longer drying time needed in high humidity or low temperature
- Keep from freezing
- VOC (g/l) ..... Actual 64  
..... Regulatory 182

### PACKAGING

Available in 5 US gallon containers, 50 US gallon drums and totes.

### FORMULAS

Purity Interior Glacier is available three sheen levels Gloss, Satin, Flat. Formulas may be intermixed to achieve a target sheen level. To achieve the clearest

possible finish use Gloss formulas for the first and second coat and the desired sheen level for the final coat. Three coats of flat finish may cause a frosted or cloudy appearance obscuring grain and contribute to a blotchy appearance if coating thickness is inconsistent.

### COLORS

To augment grain and add color or tone to the surface use Purity interior Stain in the desirable formula

Color	Grain Visibility, hide, augmentation	Finish
Naturals	Transparent	Flat Low luster
Translucent	Transparent	Flat Low luster
Saturated	Semi Transparent	Flat Low luster

### TINTABLE BASES

It is best to use a penetrating stain or wiping stain like Purity Stain under the Purity Interior Glacier Topcoat but if necessary Sansin' Nano tints can be used to add tone to Purity Interior Glacier. The applicator should be especially careful to apply uniform coats to avoid overlap when using Tinted Purity Clear

### PREPARATION NEW WOOD APPLICATION.

- Proper preparation is the key to a successful project.
- Remove all hardware; or cover hardware that cannot be removed.
- Surface must be dry and free of contaminants such as waxes, silicones, glues and dirt.
- Do not use steel wool or anything that may leave iron particulate on the wood surface.
- Repair any defects in the surface, such as holes and cracks, using only quality, acrylic-based, tinted, wood fillers to match the color of the project. Wood filler must be allowed to dry completely prior to sanding.
- Extra effort in sanding will pay off in aesthetics. Use 150-180 grit sandpaper and always sand with the grain for best results.
- Remove dust particles by vacuuming and wipe with a damp cloth.

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**PREPARATION FOR PREVIOUSLY FINISHED WOOD SURFACES.**

- Purity Interior Glacier can be applied over various water based products by following these steps:
- Ensure surface is completely clean, dry and free from contamination.
- Light sanding may be considered for smoothing and improved adhesion
- Remove all sanding dust and contaminant

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**APPLICATION METHODS**

- For brush application add up to 5% water to Satin and up to 10% water to Gloss. Do not add water if spraying.

Glacier	Satin (ml)	Gloss (ml)
Quart	47	95
Gallon	190	380
5 Gallon	945	1890

Glacier	Satin (oz)	Gloss (oz)
Quart	1.60	3.20
Gallon	6.4	13
5 Gallon	32	64

- DO NOT SHAKE. STIR WELL.
- Apply the first coat of Sansin Purity Glacier by sprayer or with a nylon polyester brush or a pad applicator. Spread the finish evenly. Sansin Purity Interior Glacier has excellent leveling properties; be careful not to overwork the product.
- For Spray application use conventional or air assist airless, high sheer pumps and contamination can cause cratering or other surface issues, equipment should be qualified before commercially applying

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**WORKING PROCEDURE**

- Test formula on an inconspicuous wood surface to ensure proper results
- Allow 1 hour of drying time in proper conditions when the temperature is between 60°-70° F (15°-20° C) and the relative humidity is no higher than 70%.
- If necessary, after the surface is completely dry, sand lightly using 220-320 grit sandpaper or a fine synthetic abrasive pad. Always sand with the direction of the grain.
- Vacuum the surface and wipe with a damp cloth to remove all dust particles.

- Apply the second coat Of Sansin Purity Interior Glacier.
- For additional protection or gloss, a third coat may be applied after 24 hours.

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**MAINTENANCE**

*For damaged or worn surfaces;* If the wood surface is exposed because of damage; decide whether to repair the complete board or spot repair; prepare the surface using a solution of Multi wash to remove contamination, allow to dry, follow with sanding to smooth the surface appropriately, apply the same coating schedule to match the initial application.

*For proactive maintenance coats on surfaces treated in Purity Interior Glacier;* Gently Wash the Surface using a solution of Multi Wash and remove all contamination by any agreeable method being careful not to over wet the surface. Use clean water for a final wiping, ensure the fabric is clean. Allow the surface to dry completely. If necessary sand using 220 -320 grit paper. Apply a maintenance coat of Purity Interior Glacier using an appropriate applicator. See directions for further details

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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. The information contained in this document is given in good faith based on our current knowledge. The use of this 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.

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