

Sansin FireStop97: The ultimate flame spread protection in a solid interior wood finish. Available in white, pastel or light colored wood tones. Provides “Class A” flame spread protection that conforms to ASTM E84, ASTM E2768 (30 minutes) and Canadian Standard CAN/ULC-S102-10.

FEATURES

- Durable, protective decorative finish
- Resists heat and fire
- Reduces flame spread and toxic gas formation
- Fast drying
- Forms ignition barrier on porous combustible materials
- Brush, spray or roller applied
- Easy one or two coat application
- Excellent workability & flow properties
- Tintable
- Environmentally-friendly – low toxicity
- Water cleanup
- UVOC*

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.

MODE OF ACTION

Sansin FireStop97 is a white water based, non-toxic, intumescent, ready to use, interior, fire retardant coating. It is designed for use as a self-priming paint for wood substrates including SPF plywood, Oriented Strand Board, wood trusses, glue laminated/cross laminated timbers, constructions studs and many assemblies where improved fire resistance is required.

In the presence of heat or flame FireStop97 will intumesce (expand its film thickness) and creating a thick charred heat-insulating foamy layer. This action prevents oxygen from reaching the combustible coated materials (the “fuel”) and diluting combustible gases if released by the fuel.

FireStop97 must be applied to 130-160 Ft²/Gal total coverage in a uniform film thickness achievable in one to two coats.

TINTING

Sansin FireStop97 dries to a white opaque, low lustre flat finish. Coloring the formula should be done by the manufacturer or dealer within specifications. A broad spectrum of light colors are achievable.

CHARACTERISTICS

- Odor Low
- Finish Opaque White Low Lustre
- Colors Architectural Pastel Colors
- Flammability Non-Flammable
- Flash point Not applicable, no flash point
- pH Value 8.0 – 8.5
- Solids by weight 63% +/- 1
- Solids by volume 54 – 56%
- Viscosity 2500 – 5000 cps @ 21°C
- Specific Gravity 1.16 – 1.18
- Dry to touch @ 21°C & 50% +/-5% RH 30 mins to 1 hr
- Recoat time 2-4 hrs
- Methods of application Brush, roller or spray
- For spray an addition of up to 5% water may be required
- Coverage 130 – 160 Ft²/US Gal
- Average wet film thickness 10 – 12 mils
- Average dry film thickness 5 – 7 mils
- Application temperature 15 to 30°C

- Clean-up Water or warm water with soap
- VOC 11 g/L [actual], 20 g/L [regulatory per US EPA method 24]
- Shelf life 6 months (when stored between 10 – 30°C)

PACKAGING

One gallon, 5-gallon or 55 gallon containers.

SURFACE PREPARATION

PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Ensure the surface is free of contaminants such as dust, grease and oils.
- Remove all loose, peeling or powdery paint.
- Sand to remove glaze and improve adhesion of FireStop97.
- If applying to previously painted surfaces, verify compatibility and bonding characteristics in a small inconspicuous area prior to proceeding with the project.



STIR WELL BEFORE AND AFTER APPLICATION



SAND TO REMOVE GLAZE AND IMPROVE ADHESION

APPLICATION

- Stir well before and during use.
- Apply one to two coats of Sansin FireStop97 to achieve a total coverage rate of 130 – 160 Ft²/Gal to achieve an ASTM E84 or CAN/ULC-S102-10 class “A” rating.
- FireStop97 may be applied by brush, roller or spray equipment.
- Two coats are recommended for more uniform film formation, especially for smooth surfaces.
- Ensure the first coat is “dry-to-touch” before the second coat is applied.
- FireStop97 is a ready to use product.
- For spray application thin up to 5% with water.
- Ensure adequate dry film thickness to meet performance specifications.
- Do not apply at temperatures lower than 15°C (59°F). Best application temperature recommended is 20°C to 25°C (68°F to 77°F).

CLEAN-UP

Clean equipment and tools well with warm water and soap immediately after use.

SAFETY

See Material Safety Data Sheet

FIRESTOP⁹⁷™

ENVIRO STAIN®



SANSIN®

*Ultra Low VOC formulas contain 25 g/L or less VOC's using US EPA Method 24

FIRESTOP⁹⁷TM



WATER RESISTANCE AND TOP-COATING

Sansin FireStop97 is designed to be applied over well dried combustible surfaces in premises where water condensation caused by high humidity is not expected. If used as exterior coating, the dried film may weaken and wash out if exposed to weathering. Resistance to weathering or humidity may be achieved by using non-burnable acrylic, urethane or epoxy compatible coatings. Verify compatibility and performance specifications with manufacturer before use.

HEALTH ISSUES

Sansin FireStop97 is UVOC, environmentally friendly, water-based, non-toxic, dangerous solvents and halogen-free fire retardant coat. See Material Safety Data Sheet for detailed information.

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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