

# Sansin FireStop99: The ultimate flame spread protection in a beautiful interior wood finish. Provides “Class A” flame spread protection that conforms to ASTM E84 and Canadian Standard CAN/ULC-S102-10.

## FEATURES

- Available in clear or colored tones
- Resists heat and fire
- Reduces flame spread and toxic gas formation
- Forms ignition barrier on porous combustible materials
- Fast drying
- Excellent adhesion
- Spray applied
- Two to four coat application
- Tintable
- Water cleanup
- Low VOC

## 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

In the presence of heat or flame, FireStop99 will intumesce (expand its film thickness) 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.

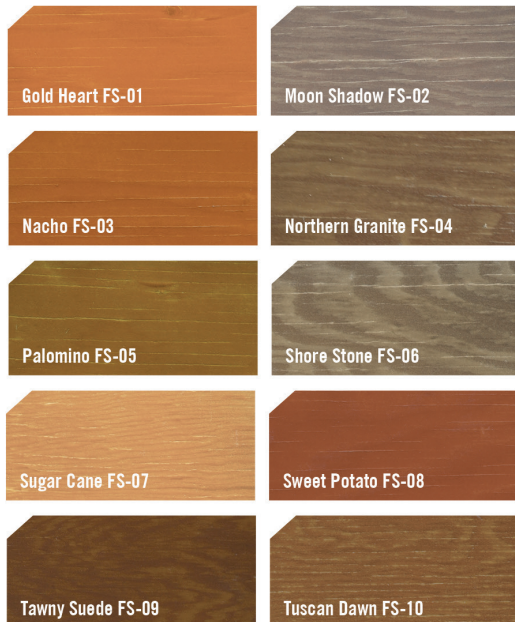
FireStop99 must be applied at a net coverage of 100 Ft<sup>2</sup>/Gal total coverage in a uniform film thickness achievable in two to four coats. The number of coats depends on the wet film thickness applied but is limited to the sag resistance of 4 wet mils on vertical surfaces. Horizontal machine coat applications can be applied up to 8 wet mils.

## TINTING/COLORS

Sansin FireStop99 dries to a translucent, low luster matte finish. Recommended for use on white or light colored wood only. Available in 10 standard colors. Custom colors are available from the Manufacturer upon request.

Color may vary depending on texture, grain, color, number of coats, porosity and type of wood and may not be exactly as illustrated. Always test the purchased product on an inconspicuous part of the project to ensure the color and transparency meet expectations of your control sample.

## CHARACTERISTICS



- Odor ..... Low
- Finish ..... Translucent Low Lustre
- Colors ..... Translucent Wood Tones
- Flammability ..... Non-Flammable
- Flash point ..... Not applicable, no flash point
- pH Value ..... 8.0 – 8.5
- Solids by weight ..... 57% +/- 1
- Solids by volume ..... 50 – 52%
- Viscosity ..... 20-25 sec, #3 @21°C
- Specific Gravity ..... 1.10 – 1.13
- Dry to touch @ 21°C & 50% RH ..... 30 mins to 1 hr
- Recoat time ..... 4 hrs
- Methods of application ..... Brush, roll or spray
- For spray an addition of up to 5% water may be required
- Coverage ..... 90 – 100 Ft<sup>2</sup>/US Gal
- Average wet film thickness ..... 8 – 9 mils
- Average dry film thickness ..... 6 – 8 mils
- Application temperature ..... 15 to 30°C
- Clean-up ..... Water or warm water with soap
- VOC ..... 14 g/L [actual], 26 g/L [regulatory per US EPA method 24]
- Shelf life ..... 6 months (when stored between 10 – 30°C)
- Sag Resistance ..... 4 mils

## PACKAGING

One gallon, 5-gallon or 55 gallon containers.

## SURFACE PREPARATION

### PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Ensure the surface is free of contaminates such as dust, grease and oils.
- Remove all loose, peeling or powdery paint.
- Sand to create even smooth surface, remove glaze and improve adhesion of FireStop99.
- Use 120-150 grit paper for final surface finish.
- 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 two to four coats of Sansin FireStop99 to achieve a net coverage rate of 90 -100 Ft<sup>2</sup>/Gal to achieve an ASTM E84 or CAN/ULC-S102-10 class "A" rating.

**FIRESTOP<sup>99</sup>**

ENVIRO STAIN<sup>®</sup>





- Ensure the first coat is "dry-to touch" before the second coat is applied.
- FireStop99 is best applied by spray equipment (11 to 13 thou tip)
- FireStop99 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).
- Buff using a fine scotch bright pad after final coats or between coats for a smoother finish.
- For optimum sheen and additional mar resistance, apply an approved topcoat such as Sansin Resolution™ I.

#### CLEAN-UP

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

#### SAFETY

See Material Safety Data Sheet

#### WATER RESISTANCE AND TOP-COATING

Sansin FireStop99 is designed to be applied over well dried combustible surfaces in premises where water condensation caused by high humidity is not expected.

FireStop is a functional coating and must not be topcoated unless the topcoat has been independently tested to pass functional expectations.

FireStop coated surfaces must be protected from wetting.

#### TEST RESULTS AND APPROVALS

Fire retardant efficiency for Sansin FireStop99 has been independently verified by NGC Testing Services of Buffalo, NY. The test results have shown that the product has a low Flame Spread Rating (FSR) of <20 and a Smoke Developed Classification (SDC) of 200.

#### 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.