

# High Sierra

Log Stain

*Goes on Fast - Stays on Long*

## Product Description

High Sierra Log Stain is one of the latest advancements in stain technology. Its unique blend of water and acrylic-modified alkyd resins not only provides a very easy stain to apply, but the cured coating is both beautiful and durable.

High Sierra Log Stain impressively penetrates properly prepared wood and is extremely resistant to UV degradation, moisture, and oxidation. The high quality trans-oxide pigments enhance the natural beauty of wood grain while imparting a mellow sheen to the logs.

It is best to read Sashco's stain guide, *"Keeping Your Dream Alive,"* for a more complete understanding of all the issues concerning the application of stain to log surfaces. Experience has shown that most coating failures are due to poor application or poor surface preparation, not actual product performance. We strongly recommend that you read this highly informative brochure prior to staining.

## Surface Preparation

It is important to know moisture content before applying any coating. Per the Forest Products Research Laboratories, the moisture content of the logs must be 19% or less before applying a coating. As with any finishing product, the surface must be clean and free of surface conditions that would prevent penetration of the stain. CPR Log Cleaner and Brightener can be used on bare wood to remove dirt and tough stains like rust, mold, tannins, discoloration of the wood caused by sun exposure, and mill glaze. Previous coatings or unsound wood that may inhibit stain penetration can best be removed by corncob blasting\* (i.e., Sashco's "Kernel" cob blaster), sanding, chemical stripping and/or power washing.

*\*Call Sashco for more information.*

## Wood Preservatives

Once the logs or wood surfaces are clean and sound, apply a wood preservative for protection from attack by wood destroying fungi and insects. We recommend PeneTreat, a borate-based wood preservative. If you select another preservative, please check with the manufacturer before applying to make certain that it is compatible with High Sierra Log Stain.

**Additional Fungicides:** In areas with high moisture exposure, it is advisable (for exterior use only) to add an additional loading of fungicide to the stain just before application to ensure control of surface mildew. Check with Sashco for recommendations.

## Application

**Check the weather.** High Sierra Log Stain can be applied to wood surfaces with a temperature as low as 40°F, but this is the extreme and should be avoided if possible. Avoid working in direct sunlight or applying product to logs that have a surface temperature of 95°F and rising. The ideal temperature range for application is between 60°F and 90°F. Protect the coating with plastic sheeting if rain is expected within 6 hours of application.

**"Boxing"/Mixing:** Since there is always a chance of small color differences between lots of stains (like lot variations in carpet or drapes), it is important to make sure before starting a job that containers of stain with different lot numbers be "boxed" or inter-blended before using. This will help ensure uniformity of color even when different lot numbers are used. Stir thoroughly before using (making sure all the softly settled pigment is well dispersed) and periodically throughout the application.

**Number of Coats:** High Sierra is a 2-coat system. For best results, application is 2 heavy coats sprayed and then vigorously back-brushed (to greatly help penetration). The second coat can be applied as soon as the first coat has largely penetrated into the surface and is tack free. This can be within about 30 minutes, or as long as 1-2 hours, depending on the porosity, moisture content, and the temperature of the wood.

**Application Tips:** High Sierra Log Stain has an open time similar to that of oil-based stains, allowing more time to work with the product before it begins to dry at the surface. This will greatly help with eliminating or minimizing brush or lap marks during application. It is still important to maintain a wet edge and vigorously brush the product out after applying with a sprayer, especially during application of the first coat. Good staining practice is to work horizontally until you reach a natural break in the wall surface, i.e., windows, doors, log butt joints, etc.

## Clean Up

While still wet, tools and equipment can be cleaned with soap and water or ammonia-based cleaners, like glass cleaner or household ammonia.

If allowed to dry, mineral spirits or stronger solvents will be required.



## Storage

Tightly secure lids and store in moderate, dry conditions, between 40°-90°F for best shelf stability.

## Maintenance

Walk around your home and inspect the coating each spring and fall. Areas where checks have opened up that are 1/4" or greater on the upper curvature of the logs need to be caulked. Keeping the moisture out of checks will help extend the life of your stain. Log Builder caulking is compatible with High Sierra. Request a Log Builder Data Tec sheet for details on how to caulk checks properly.

Next, look for any bushes or trees that have grown close to the building and cut them back. Look for water patterns on the home from lawn sprinklers, for example, and move sprinkler heads as required, or repair gutters and down spouts as needed.

Periodic cleaning of the logs will also extend the life of the coating by removing fungi that might grow on dirt that has accumulated on the log sur-

## Technical Data:

*Not to be considered specifications*

**Colors:** Applewood, Natural Spruce, Butternut, Bronze Sycamore, Tan Pine, Honey Timber, Natural Cedar, Woodtone Cedar, Redwood & Pecan.

**Coverage Rate:** The first coat of High Sierra Log Stain will cover 150 – 300 square feet per gallon, depending on the wood roughness. The second coat, applied within 30 min. to 2 hours after the first coat, will cover 250-450 square feet per gallon.

**Packaging:** One-gallon and five-gallon plastic pails (with easy-off, easy-on lids).

**Application Range:** Surface temperature: 40°F minimum and rising, 95°F maximum and falling. The coating should be applied and allowed to dry within this temperature range. Application and curing below the minimum risks freezing and slow drying which could lead to rain or snow damage. Application above the recommended maximum risks drying too fast, with poor penetration into the wood.

**For Best Performance:** Apply between 60°F and 90°F.

**Compatibility:** High Sierra Log Stain is recommended for use with Log Jam Chinking, Log Builder Caulking, Symphony, and PeneTreat. It also works well with most other caulking and chinking products, other interior clear topcoats and other borate preservatives. However, contact Sashco for guidance when using with other manufacturers' products.

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faces (especially on the lower courses of logs). CPR, mixed to the cleaning strength solution, is an ideal product for this use.

Maintenance coats of stain are needed when there are areas of erosion down to bare wood, when water repellency has diminished, or if the sheen has weathered and dulled significantly. You must clean the logs first, allow them to dry, and then apply one or, if needed, two coats of stain.

## Precautionary Statements

Read MSDS for this product (available from Sashco or Sashco's authorized distributors). **Keep away from children and animals.**

## Notice

Because of many varying conditions affecting use and application, manufacturer warns buyer that these conditions may impair or vary the results and effects of the use of this product. Therefore, application and performance of this product are not guaranteed. Neither the manufacturer nor the seller shall be liable in respect to any injury or damage suffered by reason of use of this product for a purpose not indicated on the label or when used contrary to the directions or instructions herein. There are no warranties which extend beyond the description on this container or related literature, including any implied warranty of merchantability.



**Shelf Life:** 18 months from date of manufacture (minimum), when stored at room temperature.

**VOC:** Less than 350 grams/liter

**Dry Time:** High Sierra dries to the touch within 30 minutes to 2 hours, depending on the condition of the wood surface and the weather. The first coat should be allowed to dry until tack free before the second coat is applied.

**pH:** 8.0 – 9.5

**Density:** 8 – 9 lbs. / gal

**Odor:** Very mild, slight ammonia odor

**Solids:** Approximately 22% by volume (varying slightly color to color)

**Viscosity:** Brookfield, LVF, 30 – 150 centipoise, #3 spindle, 60 rpm

**Freeze-thaw Stability:** 3 cycles minimum down to 0°F. For best stability, store at room temperature.



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