

## Log Home Sealant

# LOG BUILDER

## The Sealant Made for Log Structures

### The Basics of Applying Log Builder

1. Start with clean logs that have already been treated with a preservative and stain compatible with Log Builder. (Some stains are listed under "Technical Data".)
2. Install a "bond-breaker," i.e., backer rod, or mylar tape.
3. Apply Log Builder with a standard caulking gun, bulk loading gun, or Sashco's patented Snorkler™ Pump.
4. Tool Log Builder tightly to the log surface.

## Application Tips

### Surface Preparation

Surfaces should be clean, structurally sound and free of uncured oils, dirt, and other loose materials. Log Builder may be applied to slightly damp surfaces if no water is actively re-wetting the surface

**Wood Treatment:** A good wood treatment is recommended for exterior surfaces and most should be applied *before* applying Log Builder. Wood sealers, preservatives, or stains should be thoroughly cured before applications.

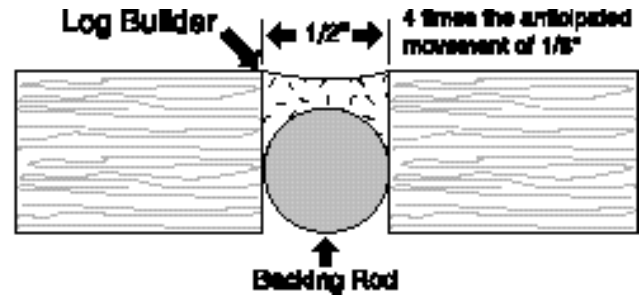
A few sealers, especially those high in wax content, may interfere with adhesion. Sashco maintains a list of some of treatments which should be applied *after* applying Log Builder, making sure the Log Builder is thoroughly cured. Check with Sashco for a more complete listing of compatible coatings.

If a stain is applied over Log Builder, it will be tinted the stain color, but will be affected differently than the surrounding wood.

**Surface Temperature:** Surfaces should be between 40°F and 120°F when applying Log Builder.

### Joint Design

Joint width should be a minimum of 1/4", but no larger than 2", and 4 times the anticipated movement. For example, if you anticipate log movement of 1/8", bead width should be 3/8" to 1/2". (Joint width should be between 1/4" and 2".)



For joints 1" or more, the depth should be 3/8" to 1/2". The depth of joints less than 1" wide should be half the width but no less than 1/4". (Joint depth should be between 1/4" and 1/2".)

### Methods of Application

When using 5-gallon pails, Sashco's patented Snorkler™ Pumping System, grout bags, or bulk loading guns may be used. Use a caulking gun when using either the 30 oz. or 10.5 oz. cartridges of Log Builder. Log Builder requires no heating prior to application.

When using a cartridge, cut the spout at 45° angle to desired bead size. At 70°F and 40% relative humidity, Log Builder will be able to resist a short, light rain after 4 hours of drying time. If temperatures, at the time of application, are in the 50's or less and/or the relative humidity is higher than 60%, protect Log Builder with plastic sheeting for 3-5 days before exposure to rain. Not recommended for continuous submersion or areas exposed to foot or vehicular traffic.

### Tooling

Log Builder should be tooled directly after application to ensure good adhesion and a smooth looking bead. Log Builder may be tooled with ordinary masonry-type tooling blades, a wetted finger, or a damp polyethylene foam brush.

Work the material smooth, tooling Log Builder tightly to the surfaces, keeping a rag handy to pick up drips.

### Clean-up and Disposal

Clean excess product off surfaces (before it cures) with a putty knife and/or a damp rag. Dispose of Log Builder in accordance with local regulations. Do not dispose of in drinking water supplies. Water may be used for cleaning hands, surfaces and equipment. Toxic solvents are not required for clean-up.

### Lifetime Limited Warranty

Sashco Sealants warrants that Log Builder Log Sealant will stretch up to 100% of original joint size and will not pull away or center tear when applied in accordance to the Log Builder Data:Tec (LBR 002). If you are dissatisfied at any time with Log Builder's performance in these areas, return proof of purchase to Sashco. Limited to product replacement only.

## Technical Data

(Not to be considered specifications)

### Color

Tan, Woodtone, White Pine, Dark Brown, Gray, Redwood, and Black

### Packaging

10.5 oz. plastic cartridges, 30 oz. fiber cartridges, and 5-gallon straight-sided pails. (Not all colors are available in all sizes.)

### Water Resistance

In most conditions, Log Builder forms a water resistant skin within 4 hours, depending on humidity and temperature. If applied in temperature lower than 50°F and/or in relative humidity higher than 60%, Log Builder must be covered with plastic sheeting for 3-5 days before exposure to rain.

**Application Range** 40°F to 120°F (Surface temperature)

**Service Range** -30°F to 250°F

### Paintability

Log Builder is paintable with latex coatings in 4 hours, with oil-based coatings in 5 days.

### Compatibility

Log Builder will adhere to woods treated with most preservatives including borates, pentachlorophenol, and copper compounds. Log Builder is also compatible with insulating glass sealants and most building materials, including foam insulation.

**Shelf Life** 1 year from date on carton

### Specifications

Passes C834-76, the performance requirements of TT-S-00230B and ASTM C-920. Meets FHA requirements.

**VOC** 79.8 grams/liter; 0.67 lbs./gallon

### Cure-Through Time

3 weeks (1/2" thickness, 70°F, 50% relative humidity)

**Extrusion Rate** 1100 g/min (1/8" orifice at 40 psi)

**Freeze-Thaw** Passes 5 cycles (0°F to 70°F)

## Physical Properties (listed alphabetically)

Adhesion: <sup>1,2</sup> (180° Peel):

Substrate	lbs./linear inch
Acrylic Sheet	9
Alkyd Paint	18
Aluminum	24
Birch (untreated)	20
Ceramic Tile	12
Formica	8
Glass	18
Pine (untreated)	25
Polycarbonate	5
Cedar (untreated)	13
Oak (untreated)	20
Walnut (untreated)	15

**Hardness (Shore A)** 38 (21-day cure)

**Solid Wt. %** 79%

**Stain** None

**Slump** 0 mm (3/4" vertical channel)

**Tack-Free Time** Less than 1 hour

### Water Resistance

No washout (4 hours; 40°F, 50% relative humidity)

### Weathering

Washout	None
Cracking	None
Discoloration	Passes ASTM C834-76

### Snow

Be cautious of areas where snow builds up around the structure and remains for extended periods of time. Snow removal is recommended for these areas to ensure the ultimate adhesion of Log Builder.

<sup>1</sup>Ultimate adhesive strength attained in 3-6 weeks, depending on bead size, temperature and humidity.

<sup>2</sup>Dry adhesion tested after 28 days room temperature cure. The average of several tests is reported.

<sup>3</sup>Sashco will test any stain to determine compatibility with Log Builder. Just call and send us a sample of the stain you want tested. Test results available in a minimum of 6 weeks.

The data reported here are believed to be reliable. No warranty is made or implied concerning the accuracy or the results obtained from their use.

# Technical Data



10300 E. 107th Place, Brighton, CO 80601  
1-800-767-5656 • Fax: 303-286-0400  
Web Site: <http://www.sashco.com>

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