

LOG JAM™

CHINKING

When Other Chinking Pulls Away, Log Jam Holds Its Seal.

The Basics of Applying Log Jam

1. Start with clean logs that have already been treated with a preservative and stain compatible with Log Jam. (We recommend PeneTreat and Capture Stain.)
2. Install a "bond-breaker," i.e., backer rod or mylar tape.
3. Apply Log Jam by use of trowel, grout bag, bulk loading gun, or commercial machinery, such as the Sashco patented Snorkler™ Pump.
4. Tool Log Jam.

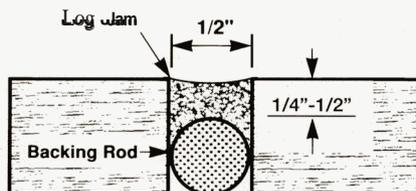


Application Tips

New Construction

Joint Width: Joint width should be a minimum of 4 times the anticipated movement of the logs. This includes movement due to log shrinkage, house settling, and loading factors.

For joints 1" in width 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". (Log Jam will span joints 3"- 4" wide.)



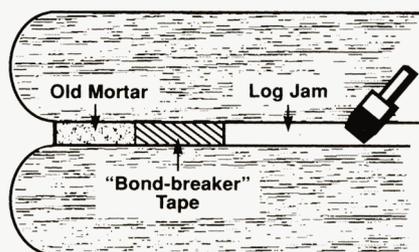
These joint guidelines are to ensure sufficient Log Jam mass to absorb log movement and maintain a tight seal for an extended period of time. Regardless of the width, it is not necessary that the depth be greater than 1/2".

Backing Material: A backing material should be installed between logs prior to chinking. An open-cell type is recommended to speed drying. A closed-cell type is more moisture resistant. Choose based on your needs.

If round backing material is used, care must be taken to apply sufficient material over the apex of the rod so that the chinking is not too thin, making it susceptible to tearing.

Restoration

All logs should be free of dust, grease, uncured oils, and other contaminant\). Remove all loose mortar.



Bond-Breaker: When using Log Jam as a restoration chinking over old mortar, a "bond-breaker" tape should be applied over the center of the existing mortar. A

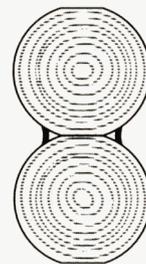
variety of plastic tapes may be used, such as clear mylar packaging tape or duct tape.

Applied to the old mortar prior to rechinking, the bond breaker provides a surface Log Jam will not stick to. When movement occurs, Log Jam will be free to stretch.

Tooling: Log Jam should be tooled to contact at least 1/2" of the bare wood surface on either side of the old mortar. This will ensure adequate adhesion.

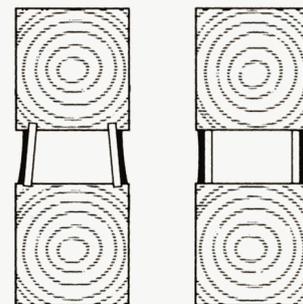
Round Logs

Be sure Log Jam has been tooled tight to the log surface. Log Jam should contact between 1/4" and 1/2" of the log surface.



Square Logs

Be sure the spline is dry and clean before applying Log Jam. Apply tape on the center of the spline as a bond breaker. Because the joints are often very wide (up to 4") multiple passes are often required. Log Jam should be applied to the upper and lower edges of the joint first, and if a gap exists between the two beads, fill the gap with additional chinking. It is very important to tool the bead, especially along the upper and lower edges so that Log Jam is forced into good contact with the logs for proper adhesion.



Applying Log Jam

Surface Preparation

Surfaces: Surfaces should be clean, structurally sound, free of uncured oils, dirt and other loose materials. Log Jam may be applied to slightly damp logs if no additional water is actively rewetting the surface.

Wood Treatment: A good wood coating such as Capture is highly recommended for exterior surfaces, and most should be applied *before* chinking. Wood Sealers, preservatives, or stains should be thoroughly cured before applying Log Jam.

A few sealers (especially those heavy in wax content) may interfere with adhesion. Sashco maintains a list of some treatments which should be applied *after* chinking, making sure chinking is thoroughly cured.

If stain is applied over cured Log Jam, the chinking will be tinted to the stain color but will be affected differently from the surrounding wood. (Note: While we believe our stain compatibility list to be current and up-to-date, many stain manufacturers frequently change their formulas. Results may vary if our data does not reflect these formulation changes.)

Surface temperature: Surfaces should be between 40° and 90°F when applying Log Jam.

Methods of Application

When using 5-gallon pails, Sashco's patented Snorkler™ Pumping System, grout bags, or bulk loading guns may be used. Because Log Jam contains no heavy abrasives, downtime and replacement of costly bulk equipment can be reduced.

Technical Data

(Not to be considered specifications)

Colors

Mortar White, White White, Buff, Tan, Gray

Packaging

5-gallon straight-sided white pails and 30-oz. fiber cartridges

Water Resistance

Log Jam forms a water-resistant skin in 1-4 hours after application. This resistance depends on bead size, humidity and temperature. If applied in cool or humid weather and rain is imminent, covering the chinking with a plastic sheet may be necessary.

1-flour Fire Rating

Log Jam passes the UL 1-hour fire rating when applied in accordance with UL File R11694-1, -2; Fire Resistance Directory Design No. UL 519.

Service Range

-30°F to 250°F

Paintability

Paintable with oil or latex stains after 1 week cure time. If giving chinking a facelift with Brush Over, make sure chinking is cured.

Compatibility³

Compatible with most sealers and preservatives, including linseed oil, borates, pentachlorophenol and copper compounds.

Note: Some Coatings contain wax or other chemicals, making adhesion difficult. Call Sashco for more information.

Shelf Life

1 year from date on packaging

Passes

Surpasses ASTM C834-86 (Latex Sealing Compounds); meets ASTM E-1 19; TT-S-00230B; ASTM G-53 (QUV Accelerated Weathering: 4,000 hours); ASTM D-638 (Elongation: 300%); ASTM D-638 (Tensile Strength: 38.4 psi); ASTM C-920 (12.5); NFPA 251, UL 263, meets FHA requirements.

v o c

0.28 lbs./gal; 34 g/liter

Physical Properties

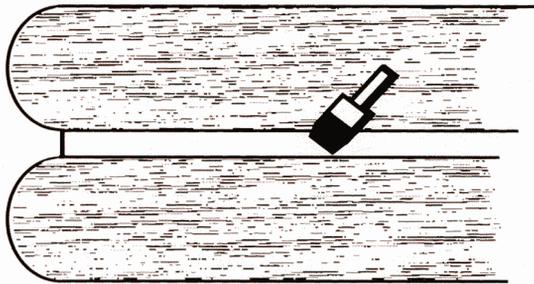
Adhesion ^{1,2} (180° Peel): Call Sashco for stain compatibility with Log Jam.

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

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Tooling

Log Jam may be tooled with ordinary masonry-type tooling blades of 3/4" to 1-1/2" in width. Using a spray bottle, lightly mist Log Jam with water to allow the trowel to glide over the surface when tooling. A damp polyethylene foam brush or rubber spatula also works. Log Jam should be tooled tightly to contact at least 1/2" of the log surface.



Round Logs: To use a foam brush, work the material smooth with a damp brush, keeping a rag handy to pick up drips of water and excess Log Jam.

Square Logs: Use a putty knife to strike off excess Log Jam, making the joint level with the logs. Use a damp foam brush to smooth the material, keeping a rag handy to absorb drips and wipe off excess Log Jam.

Not only do these techniques give an aesthetically pleasing chinking line, they also ensure a proper seal between the Log Jam and the log surface. These procedures are easy to learn and will give professional results.

Clean-up and Disposal

Dispose of Log Jam 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.

Extrusion Rate: 420 (+/-40) g/min. (1/8" orifice at 40 psi, 70°F)

Freeze-Thaw: Passes at least 5 cycles (0°F to 70°F)

Hardness (Shore A): 36

Slump: 1/16" (Maximum) in test joint (3-1/2"H x 3/4"D) at 70°F

Solids Wt. %: 83.6%

Stain: None

Tack-Free Time: Less than 30 minutes (70°F, 50% relative humidity)

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 Jam.

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

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

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

all Data

Warning: Blisters May Occur

Blisters are a phenomenon commonly found in the caulking and sealant industry. They form when moisture from the chinking accumulates in voids beneath the bead and gets hot from the sun. Blisters appear as “bubbles” in the material and vary widely in size.

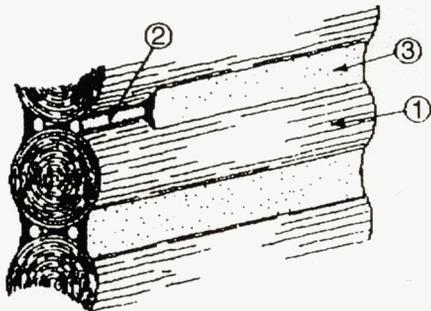
Shield freshly chinked walls from the sun with white tarps. If this cannot be done, keep a close eye on the chinked wall for the first 24-48 hours. If a blister begins to develop, puncture a hole in the middle of it, and gently push the material back into place. 3-5 days later, touch-up the repaired blister with Log Jam.

For more detailed information on blisters, please refer to the Sashco Savvy entitled “Preventing Blisters in Chinking Material”



UNDERWRITERS LABORATORIES, INC.®
CLASSIFIED
JOINT TREATMENT MATERIALS
FIRE RESISTANCE CLASSIFICATION
DESIGN NO. U519
SEE UL FIRE RESISTANCE DIRECTORY
25S8

One Hour Fire Rating: When applied in accordance with Fire Resistance Directory Design No. UL519. (Call The Publications Group at 708-272-8800, extension 42612 for more information.)



1. **Wood** Logs-Soft wood timbers with a minimum diameter of 7.0 inches. The gap between the logs shall not be greater than 2.5 inches.
2. **Backer** Rod-Formed polyethylene backer rod used to fill the gap between wood logs and to provide support to the chinking material. The diameter of the backing rod varies with the width of the gap between logs. The backer rod may be mechanically secured to the wood logs.



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

3. Joint Treatment Material-The chinking material is applied with a caulking gun over the backing rod and to the surface of each log adjacent to the backer rod. The minimum thickness shall be .5 inches. The maximum width shall not exceed 4 inches. The chinking material may be troweled to achieve a smooth finish and/or feather the edges.

5 Year Limited Warranty

When applied in accordance to this Data:Tec, Sashco Sealants warrants Log Jam for:

Adhesion: Log Jam will not pull away from log surfaces

Elasticity: Log Jam will remain elastic and will not tear, up to 100% total joint movement

If Log Jam fails to perform as specified above during the warranted 5 year period, Sashco Sealants will furnish new Log Jam to repair the defective joint areas. This warranty includes product replacement only. No other warranties are expressed or implied.

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