**Technical Data**

(Not to be considered specifications)

**Colors**
- White White, Motor White, Light Gray, Gray, Buff, Tan, Woodhew Cedar & Dark Brown

**Packaging**
- 5-gallon straight sided pails and 29 oz. fiber cartridges

**Application Range**
- 40˚-90°F (4˚-32˚C)

**Service Range**
- -30˚-250°F (-34˚-121˚C)

**Log Jam® Coverage Rate**

<table>
<thead>
<tr>
<th>LINEAL FEET</th>
<th>Recommended Joint Depth</th>
<th>Per 5 gal. pail</th>
<th>Per 29 oz. cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2”</td>
<td>1/4”</td>
<td>770</td>
<td>35.0</td>
</tr>
<tr>
<td>1”</td>
<td>1/2”**</td>
<td>195</td>
<td>8.9</td>
</tr>
<tr>
<td>1.5”</td>
<td>1/2”**</td>
<td>125</td>
<td>5.7</td>
</tr>
<tr>
<td>2”</td>
<td>1/2”**</td>
<td>95</td>
<td>4.3</td>
</tr>
<tr>
<td>2.5”</td>
<td>1/2”**</td>
<td>75</td>
<td>3.5</td>
</tr>
<tr>
<td>3”</td>
<td>1/2”**</td>
<td>65</td>
<td>3.0</td>
</tr>
<tr>
<td>3.5”</td>
<td>1/2”**</td>
<td>55</td>
<td>2.5</td>
</tr>
<tr>
<td>4”</td>
<td>1/2”</td>
<td>45</td>
<td>2.0</td>
</tr>
</tbody>
</table>

*Refer to the Log Jam® data tec (LJC 002) or product packaging for more details about proper joint design. ** If applied 3/8” deep, increase lineal feet approx. 35%.

**Paintability**
- Paintable with latex coatings after a minimum of 24 hours curing (longer on wider joints) and after 5 days with most oil-based coatings.

**Compatibility**
- Log Jam® will adhere to woods treated with most preservatives including borates**, pentachlorophenol and copper compounds. Log Jam® is also compatible with insulating glass sealants and most building materials, including foam insulation and vinyl windows.

**Specifications**
- Passes ASTM C834, ASTM G53 QUV, ASTM D638 and ASTM C920
- With 40-60 g/L, less than 1.5% by weight, max.
- Less than 30 min. (70°F, 50% relative humidity)
- 3 weeks (1/2” thickness, 70°F, 50% relative humidity)
- 800 g/min (1/8” orifice at 40 psi)
- Passes 5 cycles (0˚F - 70˚F)
- Elongation @ Break 175%
- Slump 1.6” (max.) in test joint (3.5”H x 6”D) at 70°F
- None
- No
- None
- None
- None
- None
- None
- None

Notice
- 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.

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

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**Application Guidelines**

1. Best results are obtained when Log Jam® is applied to a clean, dry, stained wood. Make certain there is compatibility between your stain and Log Jam®. Log Jam® has a lifetime warranty when applied with Sashco’s stains: Capture Log Stain®, Transformation Stain®, Log & Timber and Symphony® Interior Clear Coat. If using a different stain or finish, contact Sashco for guidance. Call 800-767-5656, or visit and chat live at www.sashco.com.

2. Check the weather forecast. Finishing products are best applied to wood that has been properly cleaned and prepped to remove unsound (or vehicular traffic). You get the rustic look of old-time mortar without compromising modern-day comfort and energy efficiency. Keep the cozy feel and rustic look of big timbers without compromise.

3. Best results are obtained when Log Jam® is applied to wood that has been properly cleaned and coatable with a compatible and thoroughly cured stain.

4. Install a bond breaker before Log Jam® is applied. Backer rod, Grip Strip, and clear packing tape all perform this function well. Now, use Log Jam® to protect it for years to come. Log Jam® is the industry standard in synthetic chinking. Unlike old-time mortar or other synthetic chinking, it holds tough after year after year. Its superior elasticity means it moves with your logs without cracking, so seal your log cabin from vermin, pollen, dust, rain and wind alike. You get the rustic look of old-time mortar without compromising modern-day comfort and energy efficiency. Keep the cozy feel and rustic look of big timbers without compromise.

5. **If applied 3/8” deep, increase lineal feet approx. 35%.

6. Tool Log Jam® to ensure good contact with the log surfaces, especially to the upper log; this will greatly aid adhesion.

7. All chinking products may occasionally “blister.” To avoid blistering:

   - Do not apply in direct sunlight.
   - Protect fresh chinking from direct sunlight for 1-2 days after application with white plastic sheathing tacked over it.
   - For detailed information, read Sashco’s Savvy Bulletin, “Preventing Blisters.”

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**Fundamental Chinking**

Proper substrate preparation and application are imperative for product longevity. Read this instruction sheet before applying any product.

1. Best results are obtained when Log Jam® is applied to clean, dry, stained wood. Make certain there is compatibility between your stain and Log Jam®. Log Jam® has a lifetime warranty when applied with Sashco’s stains: Capture Log Stain® / Cascade® staining system, Transformation Stain® Log & Timber and Symphony® Interior Clear Coat. If using a different stain or finish, contact Sashco for guidance. Call 800-767-5656, or visit and chat live at www.sashco.com.

2. Check the weather forecast. Finishing products are best applied in moderate weather conditions, i.e., out of direct sunlight, in dry, warm conditions.

3. Check the log surface temperature. The surface temperature should be between 40˚-90˚F (4˚-32˚C).

**Discoloration Passes ASTM C834, ASTM G53 QUV, ASTM D638 and ASTM C920**

**Cracking None**

**Washout None**

**Weathering**
- Washout None
- Cracking None
- Discoloration Passes ASTM C834

**Extrusion Rate**
- 800 g/min (1/8” orifice at 40 psi)

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

**Hardness, Shore A**
- 29

**Slump**
- 1.6” (max.) in test joint (3.5”H x 6”D) at 70°F

**Stain**
- None

**Water Resistance**
- No washout (4 hours, 40˚F, 50% relative humidity)

**In severe conditions - under 40˚F:**
- Do not apply in direct sunlight.

**To avoid blistering:**
- Protect fresh chinking from direct sunlight for 1-2 days after application with white plastic sheathing tacked over it.

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**Specifications**

- Passes ASTM C834, ASTM G53 QUV, ASTM D638 and ASTM C920

**VOC**
- 40-60 g/L, less than 1.5% by weight, max.

**Tack-Free Time**
- Less than 30 min. (70°F, 50% relative humidity)

**Cure-Through Time**
- 3 weeks (1/2” thickness, 70°F, 50% relative humidity)

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**Application**

Best results are obtained when Log Jam® is applied to wood that has been previously coated with a compatible and thoroughly cured stain. Clean the log surfaces thoroughly to remove dirt, pollen, bird droppings and other surface contaminants. The USDA Forest Products Laboratory and other researchers around the world have reported that surface wood exposed to sunlight for as little as 1-2 weeks can become significantly damaged and unsound which may lead to premature adhesive failure of the stains or other coatings applied to it. It can also hurt Log Jam®’s (or any chinking’s) adhesion to the surface. Once bare wood has been properly cleaned and prepped to remove unsound wood, stain should be applied as soon as possible. Follow with Log Jam® chinking.

If a stain is applied over Log Jam®, it will be tinted the stain color, but will be affected differently than the surrounding wood; therefore, test appearance before widespread use.

A few coatings, especially those high in wax content or non-drying oils, may interfere with adhesion, whether they are applied before or after Log Jam®. We advise against using Log Jam® with such products. Contact Sashco if you have questions about your particular product.
Cold Weather Chinking

Log Jam® can be applied in cold weather by following these instructions:

1. Make sure the log surfaces are above 40°F (4°C). Use a surface thermometer to double-check.
2. Keep the chinking at room temperature until ready to use.
3. Make sure the logs are free of frost.
4. Tent out the walls with clear plastic sheeting and keep them warm with heaters, then apply chinking.
5. Make sure there is air circulation so moisture doesn’t form on the logs, causing a washout. Some venting up high will help with this problem.
6. Leave the tent intact day and night while chinking, and for 2 to 4 days after chinking is complete.
7. Finally, remove the plastic sheeting.

This should be sufficient to let the Log Jam® skin over and slowly cure. Due to cold temperatures, it will take much longer than normal for the Log Jam® to fully cure, but it will be fine if left undisturbed. Warn people to avoid pushing on for several weeks.

Methods of Application

When using 5-gallon pails, Sashco’s patented StorKlink® chink pump, grout bags or bulk loading guns may be used.

When using a cartridge, cut the spout at a 45˚ angle to desired bead size. In wider joints, multiple beads may need to be run until the entire joint is filled with chinking.

Tooling

When applying Log Jam® in temperatures below 70°F (21°C), a mixture of 1-part denatured alcohol to 2-parts water can be used for mixing the chinking immediately prior to tooling. When the temperature is over 70°F (21°C), water alone will be sufficient.

The techniques discussed below will give an aesthetically pleasing chinking line, as well as ensure a proper seal between the Log Jam® and the log surface.

Tooling Log Jam® on Round Logs: Work the material smooth with a damp foam brush, keeping a rag handy to clean up drips of water and excess Log Jam®.

Tooling Log Jam® on 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 clean up drips and wipe off excess Log Jam®.

New Construction Joint Design

The diagram shows the ideal type of joint design for all sealants—which allows for maximum sealant movement and favors cohesive failure (the best kind) if the movement is so extreme that failure cannot be avoided. Round backer rod is best, especially when substantial movement is expected, as with “green” logs. The chink line should be no less than 15% of the log width. For example, with 10” diameter logs, the chink joint should be about 1 1/2” wide. If you choose to apply a smaller bead, expect more chinking.

Proper Joint Design: Depth = 1/2 width

Round Logs

1. Install Grin Strip into caulk well of clean, stained logs.
2. Or, install backer rod into caulk well of clean, stained logs.
3. Gun Log Jam® over the backer rod.
4. Lightly mist the Log Jam® as needed.
5. Tool to ensure a tight seal to the top and bottom of the chink line.

Appalachian Style Logs

1. Start with logs that are stained with a coating compatible to Log Jam®, and have properly installed backer material.
2. Tape the entire joint using polyester tape.
3. Gun Log Jam® over the backer material.
4. Lightly mist the moidow as needed.
5. Tool to ensure a tight seal to the top and bottom of the chink line.

Corner Joints

1. Install backer rod into corners of clean, stained logs.
2. Gun Log Jam® over the backer rod.
3. Lightly mist the Log Jam® as needed.
4. Tool to ensure a tight seal.

First Aid

EYES: Immediately flush with large quantities of water for at least 15 minutes. If irritation persists, see a medical doctor.

SKIN: Wash with soap and water and rinse thoroughly. Wash contami- nated clothing before use.

INHALATION: Remove to fresh air.

INGESTION: If large quantities are swallowed, DO NOT INDUCE VOMITING - seek medical help.

Warranty

For a detailed description of the warranty and exclusions, please visit www.sashco.com/legal-notices.