

cleaning the surface of the failed sealant and reapplying more. If the failure is adhesive (sealant pulls away from the substrate), then the sealant needs to be removed and completely redone.

10-Year Warranty

When applied in accordance with the Data Tec sheet CED 002, Sashco Sealants warrants Chinker's Edge for the following items for 10 years. 1) It will not pull away from log surfaces. 2) It will remain elastic and stretch up to 100% (+/-50%) of the original joint size. If Chinker's

Edge fails to perform as specified above, return proof of purchase and Sashco will furnish product to repair the damaged areas. This warranty includes product replacement only. No other warranties are expressed or implied. Sashco, Inc. reserves the right to inspect the structure prior to any product replacement. (Special color matches excluded.) Contact Sashco for information on the Limited Lifetime Warranty.

Technical Data:

(Not to be considered specifications)

Color: Mortar White, Buff, Pecan, Light Gray, Khaki

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

Water Resistance: Chinker's Edge 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.

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.

Compatibility: 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: 18 months from date of packaging.

Passes: ASTM C834-00 Latex Sealing Compounds, ASTM G-53 QUV

Accelerated Weathering: 4,000 hrs
ASTM D-638 Max 250%, Tensile Strength 36psi,
after 28 days room temperature cure
ASTM C-920 (12.5)

VOC: 0.28 lbs/gal; 34 g/liter

Adhesion: ^{1,2} (180° Peel): Call Sashco for stain compatibility with Chinker's Edge

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

Viscosity: Approximately 280,000 cps at 10 rpm, spindle #14

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

Hardness (Shore A): 29

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

Stain: None

Elongation @ Break: 550%

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 C834-00

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 Chinker's Edge.

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.



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Chinker's Edge

Chinker's Edge makes your work go faster! It gives you the edge in tooling and clean up—savings as high as 20% in labor costs or application time. How can we make these claims? Professional chinkers, just like you, developed and tested the final formulation. Tooling is unbelievable easy, and, because little to no water is needed in the tooling process, clean up is practically eliminated. And, Chinker's Edge performance is guaranteed with a 10-year warranty, or when used with any of Sashco's stains, (Capture/Cascade or High Sierra Log Stain, or for interior log treatment, Symphony Clear Coat) a Limited Lifetime Warranty. Get the edge, Chinker's Edge.

Fundamental Chinking Application Guidelines

Proper substrate preparation and application are imperative for product longevity. Read this entire label and the Data Tec sheet, CHE 002, before applying any product. If you do not have this Data Tec sheet, call us at 1-800-767-5656 or access one via our web site at www.sashco.com.

1. Best results are obtained when Chinker's Edge is applied to clean, dry, stained wood. Make certain there is compatibility between your stain and Chinker's Edge. Call Sashco for guidance if in doubt.
2. Check the weather forecast. Finishing products are best applied in moderate weather conditions, i.e., out of direct sunlight, dry conditions and warm.
3. Check the log surface temperature. The ideal application range is between 50-90°F.
4. Install a bond breaker, either backer board or backer rod, depending on the style of log, to provide 2-point adhesion. Chinker's Edge is especially well suited for use on white styrene bead-board. We do not recommend the use of blue or pink styrene board.
5. If backer board is being used, tape the entire joint with either mylar or duct tape.
6. Gun the chinking over the backing material. Ideal sealant depth is 1/2 of the joint width, but no less than 1/4", nor more than 1/2".
7. Tool Chinker's Edge to ensure good contact with the log surfaces, especially to the upper log; this will greatly aid adhesion.
8. All chinking products may occasionally "blister".

To avoid blistering:

- Do not apply in direct sunlight.
- Protect from direct sunlight for 1-2 days after application with white plastic sheeting tacked over the fresh chinking.
- For detailed information, read Sashco's Savvy Bulletin, "Preventing Blisters".

Application Surface Preparation

Best results are obtained when Chinker's Edge is applied to wood that has been previously coated with a compatible stain. If newly stained, the stain should be thoroughly cured before Chinker's Edge application. If the stain is older but still intact, clean the log surfaces thoroughly to remove dirt, pollen, bird droppings and other surface contaminants.

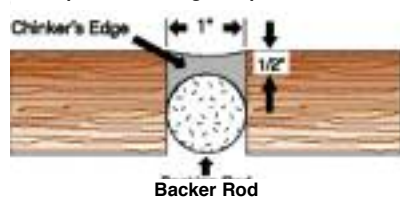
The USDA Forest Products Laboratory and other researchers around the world have recently reported that surface wood exposed to sunlight for as little as 1-2 weeks can become significantly damaged and unsound which may lead to premature adhesive failure of coatings. Such surface wood damage has the potential to, also, harm adhesion. So, once bare wood has been properly cleaned and prepped to remove unsound wood, Chinker's Edge should always be applied as soon as possible.

Some coatings that contain high levels of wax must only be applied *after* Chinker's Edge has been applied and allowed to cure. Additionally, coatings that are based on non-drying oils, like motor oil, should never be used in combination with Chinker's Edge—neither before nor afterwards—since such oils can migrate to the bond-line and destroy adhesion. Sashco maintains a list of some of the treatments, which should be applied *after* applying Chinker's Edge, making sure Chinker's Edge is thoroughly cured. Check with Sashco for a more complete listing of compatible coatings.

Sashco can also test the compatibility of stains. Please allow a minimum of 6 weeks for testing. *Call Sashco for more information.*

If a stain is applied over Chinker's Edge, it will be tinted the stain color, but will be affected differently than the surrounding wood. Test appearance before widespread use.

Proper Joint Design: Depth = 1/2 width



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. It is also best with “green” logs to make the chinking bead as wide as possible, making the chink line width at least 15% of the width of the logs. For example, with 10” diameter logs, the minimum chinking width should be about 1-1/2”. The minimum joint width for any joint of any kind should be 1/4”.

Methods of Application

When using 5-gallon pails, Sashco’s patented Snorkler™ Pumping system, grout bags or bulk loading guns may be used. Although Chinker’s Edge is freeze-thaw stable, it will dispense easier when it is kept warm before use.

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.

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 Chinker’s Edge.

Square Logs: Use a putty knife to strike off excess of Chinker’s Edge, 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 Chinker’s Edge.

Not only do these techniques give an aesthetically pleasing chinking line, they also ensure a proper seal between the Chinker’s Edge and the log surface.

Tooling Appalachian Logs



1. Start with logs that are stained with a coating compatible to Chinker’s Edge (Sashco’s Capture/Cascade or High Sierra Log Stain) and have properly installed backer material. (Avoid the use of blue or pink board.)



3. Gun Chinker’s Edge over the backer material.



4. Lightly mist the trowel as needed.



2. Tape the entire joint using mylar or duct tape.



5. Tool to ensure a tight seal to the top and bottom of the chink line.

Tooling Round Logs



1. Install Grip Strip into caulk well of clean, stained logs.



2. Or, install backer rod into caulk well of clean, stained logs.



3. Gun Chinker’s Edge over the backer rod.



4. Lightly mist the Chinker’s Edge as needed.



5. Tool to ensure a tight seal to the top and bottom of the chink line.

Slab Siding

Slab siding can pose a special challenge due to the very rapid and large amount of movement it often exhibits after being installed. This movement shows up as extreme shrinkage, bowing and twisting, and can stress sealants more than logs do. To best help reduce this problem, the slab siding should be installed with heavy screws, rather than with nails. Use dry slab siding, and verify moisture level with a moisture meter.

1. Start with clean wood that has already been treated with a preservative and stain compatible with Chinker’s Edge. We recommend PeneTreat as a preservative and either Capture/Cascade or High Sierra Log Stain. The coated wood should also be well cleaned immediately before the Chinker’s Edge is applied.
2. It used to be possible to apply chinking directly to Tyvek™ house-wrap, but with recent changes made to this house-wrap product, this is no longer true. So, mylar or duct tape should be applied to wrinkle-free Tyvek™ wrap before Chinker’s Edge is applied. Wrinkles left in the wrap will “telegraph” or show through.
3. If the boards are thick enough to install backer rod, we recommend that Half Rod™ backer rod be used with the round portion of the profile facing out from the building.
4. Apply Chinker’s Edge by use of trowel, grout bag, bulk loading gun, pre-loaded cartridges, or commercial machinery, such as the patented Sashco Snorkler Pump.
5. The width of the contact surface of the Chinker’s Edge on the edges of the siding should not be less than 3/8” (to insure good adhesion) — and the Chinker’s Edge should be firmly tooled for good contact with the top and bottom siding boards.
6. Don’t forget to chink or caulk (with Chinker’s Edge, Log Builder or Conceal) the butt joints where moisture could otherwise gain entry in driving rains.

Tooling Corner Joints



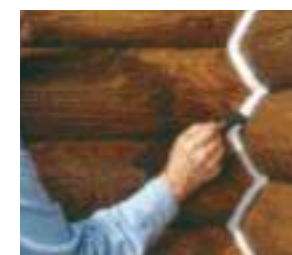
1. Install backer rod into corners of clean, stained logs.



2. Gun Chinker’s Edge over the backer rod.



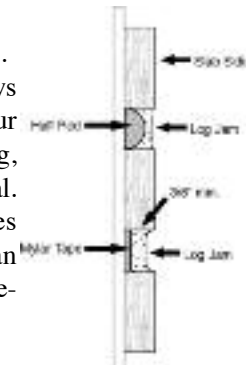
3. Lightly mist the Chinker’s Edge as needed.



4. Tool to ensure a tight seal.

7. Refer to Sashco’s bulletin entitled "Preventing Blisters in Chinking Material" (available free of charge by calling Sashco’s toll-free number).

NOTE: Ideal joint design allows for the chinking to form an hour glass shape, as in this drawing, with the half rod backer material. Some slab siding undergoes extreme shrinkage which can lead to some early-on maintenance of the chinking.



Clean-up and Disposal

Dispose of Chinker’s Edge in accordance with local regulations. Do not dispose of in drinking water supplies.

Hands, surfaces and equipment may be cleaned-up with water.

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 Chinker’s Edge.

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

Logs Move!

Occasionally, a small number of logs on any home may undergo extreme movement due to their changing moisture content as they come to equilibrium in their new settings as part of a log home. Most logs, as they dry or go through the repeated process of taking on and giving up moisture, will undergo moderate levels of stress on sealants applied to them. An occasional log will twist, shrink or warp—in response to changes in its moisture content—in an extreme way, moving more than any sealant can possibly handle.

When this extreme movement occurs it will cause the sealant to fail either cohesively or adhesively. If the failure is cohesive (sealant splits down the middle) then the repair is performed by

*NOTE: Use a bond breaker (e.g. backer rod) when significant log movement could occur. When movement is known to be minimal (as with many older homes) using backer rod is still best, but usually less critical.