

BOARD DEFENSE®

Preserve, Protect, Reduce Headaches

Technical Data Sheet

Weather, insects, moisture, and fungi all pose a serious threat to your logs and your wallet. Board Defense is the affordable insurance every log and wood homeowner needs to help protect and preserve their wood and prevent costly repairs down the road.

Board Defense is a potent borate-based wood preservative formulated by nature itself to stop wood-ingesting insects and rot in their tracks. When mixed with water in the appropriate concentration, it creates a shell of protection on the home.

Plus, because water is the carrier, it's much less toxic (not to mention less expensive) than other glycol-based borates – while provides equal protection. [Download the full Powder vs. Glycol borates report at sashco.com to see for yourself.](#)

Where to Use Board Defense

Use Board Defense on above-ground wood surfaces, including logs, timbers, dimensional lumber, siding, etc. Wood subject to direct moisture contact must be coated with a good water-repellent finish after treating with Board Defense.

Surface Preparation

- Wood surface must be bare: free of dirt, wax, mill glaze and surface finishes. Remove all previous coatings by media blasting, sanding, chemical stripping and/or power washing. Surface discoloration from mold or mildew should be treated with Sashco's CPR® Log Cleaner & Brightener before applying Board Defense. Read "Keeping the Dream Alive," Sashco's complete staining guide, for more detailed instructions on this and the finishing process.



Board Defense helps prevent rot before it starts.



- Do not apply to frozen wood. Log and air temperatures must be between 40°-90°F.
- While not required, it will help Board Defense to penetrate the wood if the wood is slightly damp to start with. If possible, spray down the home with a hose or lightly power wash prior to application.

Coverage Rate

20 lb. pail: 2,000 - 2,500 sq. ft.

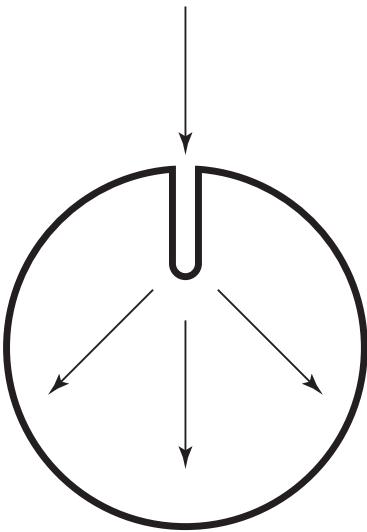
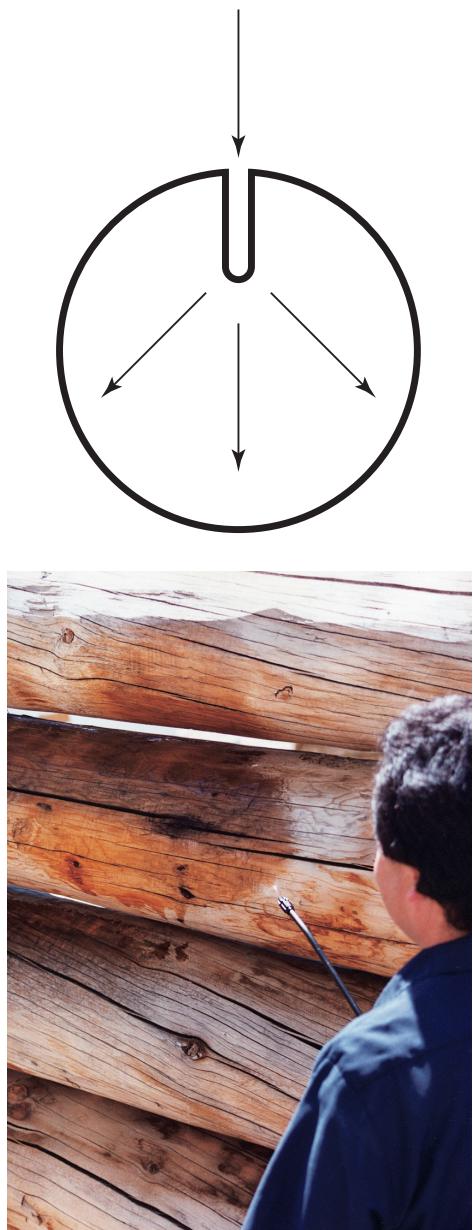
1 lb. jar: 70-120 sq. ft.

Expect less coverage on older, more porous wood, more on newer wood that is less porous.

Mixing Board Defense

Mix at the rate of one pound, or loosely packed quart, to one gallon of water. The Board Defense mixture requires only mild stirring before application. The mixture will be clear and water thin.

With this mixture, all application methods described herein will yield a minimum retention level of 0.24 pounds per cubic foot boric acid equivalent to 1/2".



Methods of Application

Brushing or Spraying

Apply Board Defense with a pump up sprayer at a rate of 1 mixed gallon every 70-120 sq. ft. of wood surface. Apply a second coat 4 to 24 hours later. Thoroughly soak cut ends and apply to checks and cracks.

Kerf-Flooding, Hole Flooding, and Spraying/Brushing

Logs 9" in diameter and larger are often kerfed to control unwanted checking. When kerfing a log in the shape of a trough (with 3/8" wide chain saw to a depth of 3"), simply pour the Board Defense solution into the kerf. Fill the kerf at a rate of 15 to 20 lineal feet per mixed gallon. Let soak. It will take 1 to 2 days for the logs to absorb all the liquid.

Protection may also be gained by pouring powdered Board Defense into the kerf (0.2 to 0.3 pounds per lineal foot). Pour water into the kerf to dissolve and carry the Board Defense into the wood.

Brush or spray the exterior of the logs with more Board Defense after either of these methods as described above.

HINT: Runoff from vertical walls may be contained by using plastic sheeting to form an accumulation basin. The trapped liquid may then be recycled and will be prevented from injuring nearby foliage.

Dipping

Dip logs or lumber in Board Defense for 6 to 10 minutes, depending on log diameter. Let excess liquid drain back into the tank, dip again 24 hours later. Cover wood with a tarp or place in a shed for at least 48 hours prior to coating with a good exterior finish.

NOTE: Diffusion of Board Defense into the wood begins immediately and requires several days for completion. With "shell" protection in large logs or timber, pre-existing insect larva may not be killed. Upon maturing, they may emerge from the wood. Insects must ingest the substance to be killed. Board Defense is not a contact killer. Further insect infestations, however, will be prevented.

After Applying Board Defense

Treated wood must be protected from direct contact with moisture or the active ingredient may leach out. It's best to wait at least 48 hours (in warm, dry weather; longer in cool, humid weather) after applying Board Defense to coat wood with a water-repellent finish. Let the surface thoroughly dry and brush away any crystals that appear before staining. Use a moisture meter to verify that the logs' moisture content doesn't exceed 19%.

Clean Up

Use soap and water to clean equipment, skin and clothing.