

Technical Data

(Not to be considered specifications)

EPA Registration Number: 64405-8

EPA Establishment Number: 64405-TN-1

Active Ingredient:
Disodium Octaborate Tetrahydrate-98%
(Inert ingredients-2%)

Coverage Rate:
6-gallon / 25 lb. size: 27 gallons of a 10% solution will cover 4,050 ft² of log surface.

1.5 lb packet: approx 1.5 gallons of a 10% solution will cover 240 ft² of a log surface.

Packaging:
6-gallon pail

1.5 lb. packet

Application Range: 40°F (4°C) to 90°F (32°C)

Compatibility: Tim-bor® will not interfere with the adhesion of most wood stains and coatings. (The surface should be completely dry before applying any coating.)

Effective Against: Rot, fungal decay and most woodboring insects. Does not control carpenter bees. Contact Sashco for guidance.

Blue Stain: Tim-bor® does not control the organisms that cause blue stain—the gray to black marking often present in dry wood.

If blue stain is a problem, an additional fungicide may be needed. Contact Sashco for recommendations on blue stain fungicides.

Tim-bor® is a registered trademark of Nisus Corp.



Why You Need A Wood Preservative

Rot, weather, insects, fungi all pose a serious threat to your logs. Protect your investment—treat your logs first to make them last.

All wood faces the possibility of rot and insect infestation—even in dry climates. Fungi and insects actually consume the cells of dead wood, often causing severe structural damage, damage that often requires log replacement—a costly repair.

Tim-bor® helps protect your home from the costly damage caused by rot and insect infestation.

What is Tim-bor®?

Tim-bor® is a borate-based wood preservative. Borates are well-known across the world for their protective qualities. And like other borates, Tim-bor® is highly effective in the prevention of most rot and wood-boring insects.

When using Tim-bor®, a protective “shell” coating helps defend your home against dry, wet, and brown rot as well as termites, house borers, powderpost beetles and carpenter ants (to name a few).

The Tim-bor® Difference

Tim-bor® is registered with the Environmental Protection Agency (EPA) for spray and brush application, which makes it perfect for remedial treatment when you follow all application and use guidelines.

Do not mix Tim-bor® into stains. For borates to be effective and to provide long-term protection, they must soak into the wood itself, not remain in the coating. Although some stains contain borates, the low percentage of borate in the stain (generally 2-3%) provides little to no appreciable benefit. Follow the Tim-bor® mixing and application guidelines to achieve recommended BAE (borate acid equivalent) levels that truly provide long-term, effective protection.

Tim-bor® can be applied by brushing, spraying, dipping, kerf-flooding or hole flooding. It comes in powder form and just needs to be mixed with water for application. Tim-bor® is packaged in two convenient sizes: 6-gallon pails that are easy to carry and double as a handy source for mixing the solution and the 1.5 lb. packet—perfect for smaller jobs.

The active ingredient in Tim-bor® (disodium octaborate tetrahydrate, a refined form of the natural mineral borax) is less toxic to people and animals than many other chemicals used for wood preservation. However, since no pesticide is completely safe, Tim-bor® must be handled and used as directed. Borates do not affect the natural color or strength of wood they are completely odorless they're not corrosive to metal fasteners, nails or screws. And when a “Tim-bor® home” is properly sealed against moisture, the borates can provide many years of effective protection.

More Protection for Your Money

The best part about Tim-bor® is the money it saves you. Not only is Tim-bor® affordable, it reduces the risk of potential log replacement.

According to the most comprehensive study available, the depth of penetration of Tim-bor® is as deep or deeper than other borate products that use slow-drying and toxic solvents (like ethylene glycol) in their formulations. Contact Sashco at 1-800-767-5656 if you'd like a copy of this study.

The Basics in Applying Tim-bor®

1. Read this entire Data Tec and the container label before applying Tim-bor®. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

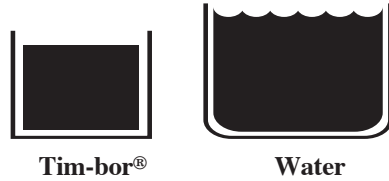


Tim-bor® helps prevent rot before it starts.



10300 E. 107th Place • Brighton, CO 80601
800-767-5656 • www.sashco.com/log-home

2. Mix Tim-bor® at a rate of 1-pound (1 loosely packed quart) to 1-gallon of water.



3. Wood must be clean and bare; free of dirt, wax, mill glaze and surface finishes, and wood surface temperature above 40°F.
4. Apply Tim-bor® at the rate of 1 mixed gallon per 150 ft² of wood surface. Apply a second coat 4 to 24 hours later. Thoroughly soak cut ends, checks and cracks.
5. Coat the logs with a water-repellent finish after the Tim-bor® solution has thoroughly dried. Use a moisture meter to verify that the log's moisture content doesn't exceed 19%.

Where to Use Tim-bor®

Use Tim-bor® 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 Tim-bor®.

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 Tim-bor®. Read "Keeping the Dream Alive," Sashco's complete staining guide, for more detailed instructions on this and the finishing process.

Do not apply to frozen wood. Log (not air) temperature must be between 40°F and 90°F. It is best to apply Tim-bor® to dry wood.

Mixing Tim-bor®

Mix at the rate of one pound, or loosely packed quart, to one gallon of water. The Tim-bor® 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

Tim-bor® may be applied by brushing, spraying (with a garden sprayer), dipping, kerf-flooding or hole flooding. Full immersion dipping yields the deepest and most complete protection, especially with large logs. Kerf-flooding accompanied with brushing or spraying, yields nearly the same level of protection as dipping.

Brushing and spraying can completely penetrate dimensional lumber and can provide excellent "shell" protection for timbers and logs to a depth of 1/8" to 1/2" — which is adequate for most applications.

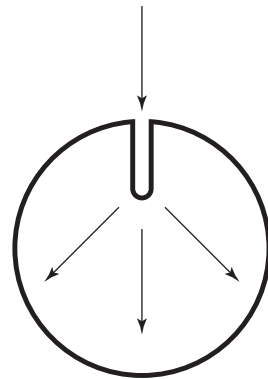
NOTE: Diffusion of Tim-bor® into the wood begins immediately and requires several days for completion. With "shell" protection in large logs or timber, pre-existing insect larva may not be killed. Upon maturing, they may emerge from the wood. Insects must ingest the substance to be killed. Tim-bor® is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

Brushing or Spraying

Apply Tim-bor® at a rate of 1 mixed gallon per 150 ft² 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 Tim-bor® 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.



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 Tim-bor® 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.



After Applying Tim-bor®

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 Tim-bor® 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.

Please download the Tim-bor® full info sheet for details on:

- Storage and Disposal
- First Aid
- Environmental Hazards
- Warranty

www.sashco.com/timbor-sds-info