

Bora-Care[®]
Technical
Bulletin

Log Home & Dimensional Lumber



BORA-CARE® TECHNICAL BULLETIN

LOG HOME & DIMENSIONAL LUMBER

(ALWAYS READ LABEL COMPLETELY BEFORE ANY APPLICATIONS.)

DESCRIPTION

BORA-CARE is an effective wood preservative and long-lasting termiticide, insecticide and fungicide available to today's log home owner. It is a "green" product that can be used effectively to prevent insect infestation and wood rot or fungus damage in new homes, as well as eliminate active infestations in older homes. One BORA-CARE treatment delivers years of remedial protection.

A patented carrier system allows BORA-CARE's active ingredient (Disodium Octaborate Tetrahydrate, a borate compound) to diffuse into wood. This system makes BORA-CARE more effective than products designed to treat only the wood's surface. It is particularly suited for seasoned or kiln dried wood.

A BORA-CARE treatment is virtually odorless, does not affect subsequent painting, staining or gluing and does not change the appearance of the wood.

Note: BORA-CARE has been shown to be compatible with common cPVC piping systems and does not corrode metal fasteners, fittings or nails. It may tarnish unpainted aluminum.

Wood treated with BORA-CARE will be protected from:

- Wood boring beetles**
- Termites**
- Carpenter ants**
- Wood rot and decay**

APPLICATION INSTRUCTIONS

BORA-CARE is a concentrate that must be diluted with an equal volume of water before being applied by a Pest Management Professional. Add 1 gallon of water to every gallon of BORA-CARE concentrate and mix thoroughly until solution is completely uniform. The use of warm water and an impeller type mixer, which can be used with an electric drill, substantially aids the mixing process. (Refer to the label for complete mixing and application directions.)

Always use diluted BORA-CARE within 24 hours after mixing. If kept for longer periods of time, the active ingredient can drop out of the solution.

Note: BORA-CARE may be phytotoxic to plants and shrubbery. When treating around the exterior, cover and protect plants, root systems and surrounding soil to avoid potential damage.

Apply only to bare wood. Remove any finish or water repellent coating before applying BORA-CARE.

Wood surfaces should be free of dirt and other contaminants. Apply diluted BORA-CARE by spray or brush to all exposed wood surfaces.

It may occasionally be necessary to apply more than one coat of BORA-CARE to attain the recommended application rate (see APPLICATION CHARTS). This is especially true for larger, smooth surfaced wood members.

Wood surfaces should be allowed to dry for at least 2 hours between applications. Do not apply in the rain or snow. If inclement weather is expected, protect exposed treated surface with a plastic tarp for at least 24 hours after treatment.

SPRAY APPLICATION

Mix the BORA-CARE concentrate with water in a clean container, stir well, then add the diluted solution to the spray tank. (Mixing BORA-CARE directly in a spray tank can block hoses and nozzles). Spray all surfaces of the wood or logs, including the ends, with a low pressure sprayer. Apply solution just to the point of wetness.

BRUSH APPLICATION

Mix one gallon of BORA-CARE concentrate with one gallon of water in a clean container. Protect hands with solvent resistant gloves. Brush the diluted BORA-CARE solution onto all surfaces of the logs or lumber, including the ends. Apply solution just to the point of wetness.

CARE & MAINTENANCE OF TREATED LOGS

For long-term protection, exterior wood surfaces that have been treated with BORA-CARE should be coated with a water resistant paint or stain within six weeks after treatment. It is important to allow BORA-CARE treated wood to completely dry (at least 48 hours) before applying any protective topcoat. It is not necessary to protect interior wood surfaces except in situations involving repeated moisture contact (prolonged construction process, shower stalls, bath houses, etc.).

APPLICATION REQUIREMENTS

Since the active ingredient in BORA-CARE penetrates wood, the amount of BORA-CARE required must be calculated on the volume of wood being treated, not the surface area. One gallon of BORA-CARE concentrate will treat up to 800 board feet of wood at a one part water to one part BORA-CARE dilution.

Only diluted BORA-CARE should be applied to any wood surface. Prior to application, check wood surfaces for any existing water repellent finish by spraying a small amount of water onto the surface of the wood or logs. If water beads up or is not absorbed into the wood, a finish is present. This finish must be removed before applying the BORA-CARE.

In log homes that have been lived in for two or more years, interior log surfaces will sometimes accumulate

oil, especially around kitchen and dining areas. This oil residue must be removed with a strong detergent prior to treatment. Occasionally, white crystalline deposits may form on a treated surface after drying.

This may be caused by the presence of an existing finish or by a high resin content in the wood. These deposits can be removed with warm water and will not affect the efficacy or the treatment.

If only the exterior surfaces of a log structure are to be treated because interior walls are inaccessible or finished, multiple applications of BORA-CARE to the exterior log surfaces will be necessary. The rates listed in the following table are applicable to either coating both interior and exterior surfaces or to applications to only the exterior log surface.

Refer to the BORA-CARE label for complete information about application rates and dilution ratios.

The following tables provide an estimate of the amount of BORA-CARE needed to treat 1000 lineal feet of various size logs and wood members. In order to determine how many lineal feet of logs there are in a home, multiply the perimeter of the house, in feet, by the number of courses of logs.

APPLICATION CHART

LOGS		DIMENSIONAL LUMBER			
ROUND LOGS Diameter	Lineal Feet per 1 Gallon of Diluted BORA-CARE	Lumber Size	Concentrate/ 1000 Lineal Feet Gallons Ounces		Lineal Feet/ 1 Gallon of Diluted
6 inch	167 feet	1x2	0.2	26 oz.	2,400
8 inch	96 feet	1x3	0.3	38 oz.	1,600
10 inch	61 feet	1x4	0.4	51 oz.	1,200
12 inch	43 feet	1x6	0.6	77 oz.	800
		1x8	0.8	102 oz.	600
		1x10	1.0	128 oz.	480
		1x12	1.3	166 oz.	400
		2x2	0.4	51 oz.	1,200
		2x4	0.8	102 oz.	600
		2x6	1.3	166 oz.	400
		2x8	1.6	205 oz.	308
		2x10	2.1	269 oz.	240
		2x12	2.5	320 oz.	200
		4x4	1.7	218 oz.	300
		4x6	2.5	320 oz.	200
		4x8	3.4	435 oz.	150
		4x10	4.2	538 oz.	120
		4x12	5.0	640 oz.	100
SQUARE LOGS Dimension					
6 inch X 6 inch	132 feet				
4 inch X 8 inch	147 feet				
6 inch X 8 inch	100 feet				
6 inch X 10 inch	80 feet				
6 inch X 12 inch	68 feet				
8 inch x 8 inch	75 feet				
10 inch x 10 inch	48 feet				
12 inch x 12 inch	33 feet				

NOTE: A 1:1 dilution ratio should be used on logs and beams. One gallon of BORA-CARE concentrate yields two gallons of diluted solution.

PANELS, SIDING AND PLYWOOD

Thickness in Inches	Gallons of Concentrate/1000 Square Feet	Square Feet per 1 Gallon Diluted BORA-CARE
1/4	0.6	1,600
3/8	1.0	1,067
1/2	1.2	800
3/4	1.8	533
1	2.6	400



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