

TECHNICAL BULLETIN:

# **BORA-CARE® LOG HOME & DIMENSIONAL LUMBER**



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# NISUS TECHNICAL BULLETIN

## BORA-CARE® LOG HOME & DIMENSIONAL LUMBER

*(ALWAYS READ, UNDERSTAND AND FOLLOW 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 homeowner. It is a product that can be used as a preventative or remedial treatment to protect against majority of wood destroying organisms, such as beetles and fungal decay. One Bora-Care treatment delivers years of remedial protection.

A patented carrier system allows Bora-Care's active DOT 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.

Bora-Care is compatible with piping systems and does not corrode metal fasteners, fittings or nails. It may tarnish unpainted aluminum.

### APPLICATION INSTRUCTIONS

Bora-Care is a concentrate that must be diluted with water before being applied, and may be sprayed, brushed, or rolled on bare wood surfaces. Depending on the circumstance, mix Bora-Care with the needed amount of water and mix thoroughly until solution is completely uniform. The use of 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.

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.

When treating around the exterior, cover and protect plants, root systems and surrounding soil to avoid potential damage.

Remove any finish or water repellent coating before applying Bora-Care, allowing the wood to absorb water. 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.

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.

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.

### 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, such as a prolonged construction process, shower stalls, bath houses, etc.

**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

<b>LOGS</b>		<b>DIMENSIONAL LUMBER</b>			
<b>ROUND LOGS Diameter</b>	<b>Lineal Feet per 1 Gallon of Diluted Bora-Care</b>	<b>Lumber Size</b>	<b>Concentrate/ 1000 Lineal Feet Gallons Ounces</b>		<b>Lineal Feet/ 1 Gallon of Diluted</b>
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
<b>SQUARE LOGS Dimension</b>		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
6-inch X 6 inch	132 feet	2x4	0.8	102 oz.	600
4-inch X 8 inch	147 feet	2x6	1.3	166 oz.	400
6-inch X 8 inch	100 feet	2x8	1.6	205 oz.	308
6-inch X 10 inch	80 feet	2x10	2.1	269 oz.	240
6-inch X 12 inch	68 feet	2x12	2.5	320 oz.	200
8-inch x 8 inch	75 feet	4x4	1.7	218 oz.	300
10-inch x 10 inch	48 feet	4x6	2.5	320 oz.	200
12-inch x 12 inch	33 feet	4x8	3.4	435 oz.	150
		4x10	4.2	538 oz.	120
		4x12	5.0	640 oz.	100

**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.**

<b>PANELS, SIDING AND PLYWOOD</b>		
<b>Thickness in Inches</b>	<b>Gallons of Concentrate/1000 Square Feet</b>	<b>Square Feet per 1 Gallon Diluted Bora-Care</b>
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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