

Recommended
HI-BOR
Wood Treating Specifications
Prepared by Honolulu Wood Treating
For Guide Specifications Division 6 – Wood and Plastic
Section 06300 – PRESERVATIVE TREATED LUMBER

PART 1 – GENERAL

1.01 WORK INCLUDED

A. To furnish labor, materials, and equipment necessary to complete preservative treatment of woodwork as herein specified.

B. This section includes, but is not limited to preservation for:

1. Termites
2. Field Treating on the jobsite.
3. Inspection, Labeling and Certificate of Treatment.

1.02 SUBMITTALS

A. CERTIFICATION: The treater certifies that treatment meets and/or exceeds the requirements set forth by the preservative manufacturer and approved by the Dept. of Planning & Permitting, City & County of Honolulu.

B. MARKINGS: Each piece of pressure treated lumber and plywood shall be made permanently identifiable with a distinct colorant and/or label representative of the quality of Hi-Bor treatment.

1.03 REFERENCE STANDARDS:

- A. American Wood Preservers Association (AWPA)
- a. C1-01 All Timber Products, Pressure Treated (general requirements)
 - b. M2-01 Inspection of Treated Timber Products
 - c. P5-01 Waterborne Preservatives

1.04 QUALITY CONTROL AGENCIES AND MARKS:

A. All lumber and plywood pressure treated with SBX (Hi-Bor) including Douglas Fir, Western Hemlock or Hem-Fir, shall be identified by a Colorant or label distinct only to Hi-Bor.

1.05 PRODUCT HANDLING, DELIVERY AND STORAGE:

- A. Store treated products off the ground and away from standing water.

PART 2 – PRODUCTS

2.01 MATERIALS AND METHODS

A. Waterborne preservatives: shall be Hi-Bor SBX. All pressure treated lumber and plywood shall conform with AWPA C1-01.

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NOTE: EXCEPTION TO STANDARD C1-01 PER CITY & COUNTY OF HONOLULU BUILDING CODE AMMENDMENTS TO THE UBC. Conditioning of the lumber and/or plywood prior to treatment is not required.

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Minimum retention for dimensional lumber shall be as follows:

- a. For nominal thickness of 5 inches or less, minimum of 1.50% w/w of D.O.T. or 0.42 pcf of D.O.T. in a 0.0 – 0.6 inch assay zone.
- b. For nominal thickness greater than 5 inches, minimum of 1.50% w/w of D.O.T. or 0.42 pcf of D.O.T. in a 0.0 – 0.75 inch assay zone.
- c. Minimum retention for plywood shall be 1.27% w/w D.O.T. or 0.4 pcf of D.O.T. sampled through thickness.
- d. Minimum penetration for lumber in inches of wood and percentsapwood, whichever is greater, shall be as follows:
 1. Under 5 inches thick: 0.40 inch and 90%

PART 3 EXECUTION

3.01 PREPARATION

A. Finish lumber: Mill to finish size and shape prior to treating. Assemble after treating. Plywood may be treated in regular size Panels. Framing lumber for rough carpentry does not require milling to size prior to treatment.

B. All lumber and plywood shall be treated unless specified otherwise.

3.02 WOOD PRESERVATION

A. WATERBORNE PRESERVATIVES

All lumber either concealed or protected from weather (ie. Paint or solid stain) including blocking, furring strips, nailers, roof cant strips, sills, plates, headers, stringers, and other general use lumber, shall be pressure treated by the full cell pressure method with Hi-bor (SBX) in accordance with AWPA standards C1-01.

3.03 INSTALLATION

A. FIELD APPLICATION

1. When necessary to cut Hi-Bor treated lumber on the job, the cut ends of pieces larger than two (2) inches nominal thickness shall be thoroughly brush coated or dip-treated with CLEARBOR F.T. or an equivalent solution of 10% inorganic boron. Field treatment of plywood is not required. The end coating solution must be approved and labeled by the Environmental Protection Agency and must be accepted by the State of Hawaii, Department of Agriculture Pesticides Division as acceptable for this purpose.
2. Thoroughly treat all cuts, holes, notches, splits, etc. of pieces larger than two (2) inches nominal thickness made during the construction phase.
3. Hi-Bor pressure treated lumber is not recommended for use in areas exposed to direct precipitation. Ie. exposed decking, trellises, and fencing material.
4. Hi-Bor pressure treated lumber is not designed to be used for ground contact.

3.04 CLEAN UP

- A. Upon completion of entire work or when instructed by proper Authority, all rubbish, waste, and unused material shall be removed from the jobsite.
- B. Unused pieces of Hi-Bor (SBX) pressure treated lumber can either be burned on site or be disposed of in an ordinary landfill.