

Hi-bor® Borate Pressure Treated Wood Products:

- Manufactured by licensed, independently owned and operated treating plants that produce products to stringent Hi-bor standards.
- Pressure treated with an EPA registered borate wood preservative for protection against termites, carpenter ants, and fungal decay.
- For use in above ground weather protected structural framing in residential and commercial projects, such as residential dwellings, industrial buildings, or any application requiring wood protected against termites, carpenter ants, and fungal decay, including dry rot.



Basic Uses

- Hi-bor Borate Pressure Treated Lumber is recommended for sill plate, joists, studs, roof trusses, blocking, rafters, beams, and other framing applications.
- Hi-bor Borate Pressure Treated Lumber is also recommended for fascia, trim, and miscellaneous wood applications, when properly protected from the weather (refer to limitations).
- Hi-bor Borate Pressure Treated Plywood is recommended for wall sheathing, roof sheathing, and subfloors, where not exposed to wetting conditions.

Materials

- Hi-bor Borate Pressure Treated Wood is treated with Disodium Octaborate Tetrahydrate (DOT). This preservative is registered with the EPA and meets the requirements of American-Wood Protection Association Standard P5. The brand name is Timbor Industrial.
- Hi-bor Borate Pressure Treated Wood is accepted by Hawaii building codes, major model building codes, and it is supported by the ICC Legacy Report #NER-648.
- All products shall be pressure treated in conformance with the Hi-bor Treating Manual.
- Approved lumber species are Southern Yellow Pine, Douglas Fir, Hem-Fir, and Spruce-Pine-Fir.
- Approved plywood species are Southern Yellow Pine and Douglas Fir.

Workability

- As with untreated wood, Hi-bor Borate Pressure Treated Wood may be sawn, drilled, or routed with standard woodworking equipment.
- Products may be fastened with standard (common) nails and screws. Check local building codes which may vary in requirements.

Limitations

- Hi-bor Borate Pressure Treated Wood is intended to be used for framing and applications where the wood is not in direct contact with the ground and is continuously protected from liquid water. Normal exposure to weather during ordinary installation will not adversely affect the performance of the product.
- Hi-bor Borate Pressure Treated Wood Products should not be used for outdoor structures exposed to weathering and rain.
- Facia and other exposed applications must be protected with primer and at least two coats of paint. Material must be allowed to dry before painting.
- When properly used, Hi-bor Borate Pressure Treated Wood Products should provide long-term service. Failure to observe the recommendations in this product information guide could result in failure of the products.
- Products intended to carry the Hi-bor 20 Year Limited Residential Warranty and/or to be used to protect from Formosan Termites must be

treated to a minimum retention of .28 pcf B203 (.42 pcf DOT). Please see the Hi-bor 20 Year Limited Residential Warranty for details.

Technical Information

- All products shall meet the requirements of the Hi-bor Treating Manual as set forth and administered by Koppers Performance Chemicals Inc.
- All products bear a permanent ink stamp or end tag carrying the Hi-bor trademark, a quality mark of an approved third party inspection agency, and the name of the treating company that produced the treated products. Also displayed is the retention level, date of treatment, and the words ABOVE GROUND



INTERIOR USE.

- Use appropriate untreated lumber and plywood span tables for Hi-bor Borate Pressure Treated Wood for each of the respective species.
- For further technical information and Material Safety Data Sheets, contact Koppers

Performance Chemicals Inc. as listed under Warranty and Technical Support.

Job Site Storage and Handling

- As with untreated wood, it is necessary to keep Hi-bor Borate Pressure Treated Wood products dry by covering the material with plastic or storing the materials under shelter and elevating the material above the ground to allow for air circulation.
- Sheathing should be covered as soon as practical after installation. If wetted during initial construction, allow materials to properly dry before permanently enclosing with felt, wallboard, etc.
- After working with the wood, and before eating, drinking, and use of tobacco products, wash exposed areas thoroughly.

Installation

- Field treatment of all end cuts and borings, including plumbing and electrical holes is required on all lumber and timbers over 2" in thickness. Field treatment shall be either a 2% solution (copper metal basis) of Copper Naphthenate or a 10% solution of DOT, or another end coat preservative.
- Use industry accepted good construction practices for the construction of all wood member assemblies.
- Construction shall meet or exceed state and local building codes and standards.
- Comply with local, state, and federal safety

regulations when installing framing and sheathing.

Warranty Information

Subject to certain requirements, exclusions and limitations, Koppers Performance Chemicals Inc. offers a 20-year limited warranty (subject to a maximum of \$5,000). The limited warranty applies only to Hi-bor Borate Pressure Treated Wood products installed by licensed contractors in Hawaii that meet all the conditions specified on the front and back of the warranty.

Hi-bor treated wood is recommended as part of an overall treated structural system. Hi-bor treated wood is only warranted for "TREATED STRUCTURAL SYSTEM" in which all interior house framing, the part of the house that provides structural stability, is constructed with Hi-bor treated wood and installed by a licensed contractor for maximum protection. Additional requirements for "TREATED STRUCTURAL SYSTEM" include:

- Soil treatment with an approved pesticide at the time of construction.
- Proper construction practices where no part of any exterior wall including stucco, hardboard, etc. is within four inches of final grade, and pesticide treatment and grouting of hollow tile or cement blocks within eight inches of the soil. Hi-bor treated wood used for exterior portions of the structure (siding, fascia, etc.) must be protected at all times by an exterior waterproof coating of paint, water proofing sealant, etc.

Failure to observe these requirements may lead to failure of Hi-bor Brand Borate Pressure Treated Wood and shall void any and all warranties.

SEE WARRANTY FOR DETAILS.

Important Information

- Do not burn preserved wood.
- Job site storage - intended for interior use only - store off the ground & cover to protect from water and allow for ventilation.
- Wear a dust mask and goggles when cutting or sanding wood.
- Wear gloves when working with wood.
- Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin. Wash exposed skin areas thoroughly.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- Wash work clothes separately from other household clothing before reuse.
- Preserved wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.
- Do not use preserved wood under circumstances where the preservative may become a component of food, animal feed, or beehives.
- Do not use preserved wood as mulch.
- Only preserved wood that is visibly clean and free of surface residue should be used.
- If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.
- Disposal Recommendations: Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with federal, state, and local regulations.
- If you desire to apply a paint, stain, clear water repellent, or other finish to your preservative treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend you apply the finishing product to a small exposed test area before finishing the entire project to insure it provides the intended result before proceeding.
- Projects should be designed and installed in accordance with federal, state, and local building codes and ordinances governing construction in your area and in accordance with the National Design Specifications (NDS) and the Wood Handbook.
- Mold growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mold from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mold. For more information visit www.epa.gov
- Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use.

Hi-bor[®]

BORATE PRESSURE TREATED WOOD

For more information call 800-585-5161 or visit www.kopperspc.com.