



PRESSURE TREATED PACIFIC HEMFIR WOOD PRODUCTS

Pressure treatment combines the natural beauty of wood with long-lasting resistance to fungal decay and termites, increasing the durability and extending the lifespan of wood products.

Pacific HemFir performs like a pro under pressure. Its excellent pressure treating performance allows for easy drying and good penetration of preservatives, offering a construction product that is both sustainable and economical.

British Columbia practices sustainable forestry, with some of the most comprehensive practices in the world. Pacific HemFir has the added advantage of being a fast-growing tree in the region, making it plentiful and readily available. This means Pacific HemFir is an even more economical and sustainable choice compared to other lumber products.

Preservatives Used to Treat Pacific HemFir

Continued advancements and improvements in the preservatives used to pressure treat wood have led to the development of a variety of trusted Pacific HemFir products.

All Canadian treated wood products use pesticides registered by Health Canada's Pest Management Regulatory Agency (PMRA) to ensure that they are safe. The CSA O80 series of standards lists a

wide range of treatment options for Pacific HemFir using registered pesticides. The Canadian Wood Preservation Certification Authority (CWPCA) ensures that certified plants meet the requirements of the pesticide label.

FOR RESIDENTIAL USE

- [MCA](#)
- [CA-B](#)

FOR COMMERCIAL AND INDUSTRIAL USE

- [CCA](#)
- [Creosote](#)
- [MCA](#)

For more information visit [Wood Preservation Canada](#).

Pressure treated wood can have 5 to 10 times the service life of untreated wood which saves the equivalent of 12.5% of Canada's annual harvest.

— Canadian Wood Council

Pressure Treatment Process

Wood preservatives extend the service life of wood products exposed in harsh conditions by increasing their resistance to decay and insects.



Image courtesy of MicroPro Sienna

At pressure treating facilities, the lumber is loaded inside a closed cylinder and a vacuum pump removes air from inside the wood cells. After this, the preservative is added and pressure is applied, which forces the preservatives into the wood cells. When the pressure is released, a final vacuum removes excess preservative. The result is a more durable and long-lasting product.

Performance

Pressure treated Pacific HemFir products are reliable because they last. An excellent choice for outdoor applications requiring resistance to decay, pressure treated Pacific HemFir is known for its versatility and can be used in residential, commercial, and industrial construction.

In structural applications—joists, beams, posts—pressure treated Pacific HemFir will have fine incisions in the surface of the wood that allow for better preservative penetration and retention.

Residential applications include soffits, beams, decks, fences, gazebos, raised planter boxes, and landscaping features.

Commercial and industrial applications include horizontal components and longer spans, fencing and posts, playground equipment, utility poles, rails and railway ties, boardwalks, service and foot bridges, marine piles, piers, and docks.



Image 1 Whistler Day Lodge, Whistler, B.C. Merrick Architecture | KK Law Photography courtesy of naturallywood.com, Image 2 courtesy of Western Wood Preservers Institute, Image 3 courtesy of MicroPro Sienna, Image 3 courtesy of Western Forest Products



Images 1 and 2 courtesy of Marwood, Images 3 and 4 courtesy of Western Wood Preservers Institute

Increased Strength

Pacific HemFir's load bearing capacity is much greater than previously known. Its increased strength rating and porous cellular structure make it the ideal choice for pressure treated building materials. Findings from years of research and advanced testing by the Department of Wood Science at the University of British Columbia resulted in a code upgrade by CSA 086 Technical Committee on **Engineering Design in Wood, the Canadian Standard**. This offers more selection opportunities for designers and expands the structural application of Pacific HemFir in heavy timber construction.

For more information or to purchase standard(s) from CSA Group, please visit store.csagroup.org or call 1-800-463-6727.



Image courtesy of UBC Timber Engineering and Applied Mechanics

Pacific HemFir Measures Up

Pacific HemFir is readily available in a wide variety of sizes and lengths—kiln dried, air seasoned or unseasoned—to meet the customers' structural specifications.



Image courtesy of Western Forest Products

Strong, beautiful and cost-effective by nature, Pacific HemFir’s pressure treating performance bolsters its reputation as wood that works.

The Sustainable Renewable Resource

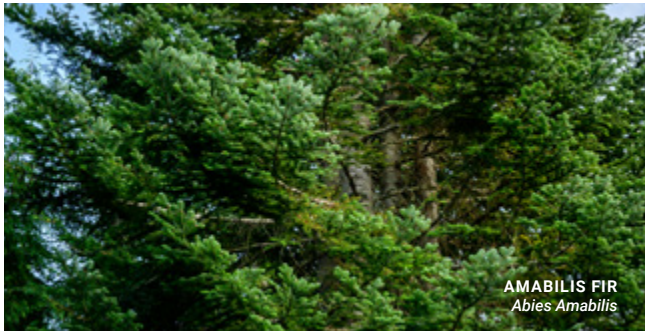
Pacific HemFir’s excellent treatability plays an essential role in sustainable architecture because projects built with pressure treated wood last longer and therefore require replacement less frequently. In fact, the environmental benefits of using pressure treated wood in building projects are significant.

Several Life Cycle Assessment reports point to the fact that when compared to non-renewable materials—concrete, steel and plastic—pressure treated wood products use less energy and water to produce. Additionally, wood helps fight climate change.

Growing trees remove carbon dioxide from the atmosphere and durable wood provides long-term storage of this carbon.

Pressure treatment, with wood preservatives, further extends the life of these products while storing carbon, enabling continued forest growth and carbon sequestration.

British Columbia’s established track record as a reliable supplier of quality products from sustainably managed forests makes Pacific HemFir a leading solution for building products.



AMABILIS FIR
Abies Amabilis



WESTERN HEMLOCK
Tsuga heterophylla

Images Courtesy of naturallywood.com

Manufacturers



For contact information visit [Where to Buy](#)



Forestry Innovation Investment

For more information about British Columbia wood products and the sustainably managed forests they come from, visit naturallywood.com.

www.PacificHemFir.com