

## Responsible & Sustainable Forestry

Tolko's 3rd party certifications meet or exceed international standards and allow our customers to achieve builder credits from a broad range of green building programs.

### PHYTOSANITARY CERTIFICATES

Tolko's wood products are heat treated to attain phytosanitary certificates for importing countries.

### CHAIN OF CUSTODY CERTIFICATION (COC)

The raw materials used in Tolko products can be traced from the forest to our customers through our Programme for Endorsement of Forest Certification (PEFC) Chain of Custody system. This provides assurance of the legality and sustainability of the resources used to manufacture our wood products. PEFC is a recognized Chain of Custody program under the LEED Standards.

### SUSTAINABLE FOREST MANAGEMENT CERTIFICATION

Tolko's Forest Management activities are conducted to Sustainable Forest Management (SFM) standards as certified by the Sustainable Forestry Initiative (SFI). These standards are internationally endorsed by PEFC.

PEFC is the world's largest forest certification system and is accepted worldwide by organizations, governments and customer procurement programs.



## True products, trusted service

Tolko is a family-owned company differentiated by quality wood products, customer commitment and unwavering integrity. We are a strong company with a solid reputation and 70 years of experience in the forest industry.

Around the world, we are recognized for being customer oriented and results focused. We pride ourselves on providing top customer service based on strong relationships and industry knowledge. We deliver on our promises and continually search for new opportunities to develop strong partnerships.

Tolko is based in Vernon, British Columbia and since its beginnings in 1956, Tolko has grown from a small sawmill to become a company with over 3,000 employees. We manufacture lumber, plywood, veneer, OSB, LSL, biomass power, co-products and a growing number of specialty wood products for world markets.



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TRUSTED.  
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**TOLKO**



### METRIC LUMBER OFFERING















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## SPECIES COMPARISON

Canadian Douglas-fir is an excellent alternative to Siberian Larch, offering better decay resistance and a more reliable supply chain. It matches the performance and appearance of Siberian Larch and impresses European customers with its quality and durability.

While European Douglas-fir shares some traits with its Canadian species, it doesn't compare to Canadian Douglas-fir in appearance, stability or longevity.

	Canadian Douglas-fir	Siberian Larch	European D-fir
Appearance			
Grain			
Moisture Resistance			
Dimensional Stability			

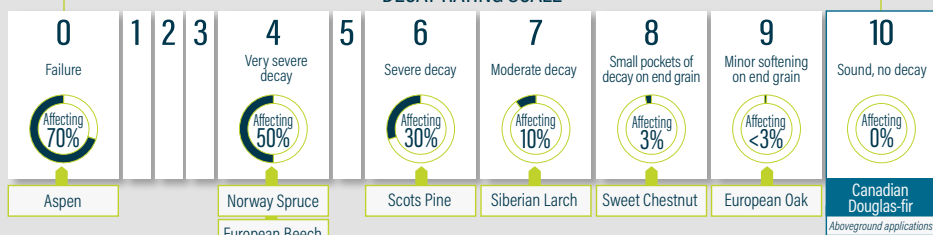
## DECAY

Canadian Douglas-fir heartwood shows significant durability in aboveground applications, with minimal decay observed after 10 years in Canadian test sites. The median decay rating from this study was 10, the highest rating, indicating excellent performance.

## LONGEVITY

Canadian Douglas-fir can last 50 to 100 years in partially protected outdoor conditions (Use Class 3.1) and 10 to 50 years in unprotected outdoor conditions (Use Class 3.2) without any preservative treatment.

### DECAY RATING SCALE



Source: "Janka Hardness chart for Exotic Wood and Domestic Wood" Bell Forest Products. Accessed March 21, 2025.

Source: "Norway spruce Natural durable timber - Field test results" RIG-WP. Accessed March 21, 2025.  
Source: "European Beech" The Wood Database (Hardwood). The Wood Database. Accessed March 21, 2025.

Source: "Scots Pine" The Wood Database (Softwood). The Wood Database. Accessed March 21, 2025.

Source: "Siberian Larch Wood Guide: Properties, Durability & Uses" Duffield Timber. Accessed March 21, 2025.

Source: "Sweet Chestnut" The Wood Database (Hardwood). The Wood Database. Accessed March 21, 2025.

Source: "Durability - British Woodworking Federation" British Woodworking Federation. Accessed March 21, 2025.

Source: "Aboveground Decay Resistance of Selected Canadian Softwoods at Four Test Sites after 10 Years of Exposure." Forest Products Journal, 2016.



Discover the remarkable strength, stability, and natural durability of Tolko's Canadian Douglas-fir for exterior decking and cladding.

This premium, Canadian species features a fine grain, minimal defects, and exceptional resistance to moisture and decay.

Freshly milled, it has a warm, pinkish hue that gracefully ages to a silver-grey.

[View the photo gallery](#)



## TOLKO CANADIAN DOUGLAS-FIR METRIC OFFERING (mm)

32 x 100	38 x 100	50 x 100
32 x 125		50 x 125
32 x 150	38 x 150	50 x 150
32 x 200		50 x 200

### GRADE #1

An excellent appearance highlighting the natural elegance of Canadian Douglas-fir with healthy, sound knots and nearly entirely heartwood fibre. There is no wane, ring shakes or rot permitted.



### GRADE #2

An elegant appearance with healthy, sound knots, spike knots, limited black knots, and no loose knots. One face is entirely heartwood and the other has a continuous strip of heartwood along the entire board. There is limited wane and no ring shakes or rot permitted.



### INDUSTRIAL

A natural appearance with greater leniency than #1 and #2. This grade is pulled from the same source as our higher grades and allows for a greater sapwood content and more pitch.



## WHY CANADIAN DOUGLAS-FIR?



### 1. IDEAL GROWING CONDITIONS

Canadian Douglas-fir is native to British Columbia and thrives in the Rocky Mountain region, growing up to 60 meters tall and living for 500 years.

These ideal growing conditions result in faster growth, finer grain, and fewer defects.



### 2. SUPERIOR STRUCTURE

The optimal growing conditions in British Columbia produce superior fibre with a fine grain and small, healthy knots.

Canadian Douglas-fir's dense, tight grain structure ensures stability and resists significant expansion or contraction due to moisture changes. This impressive species maintains consistent structural integrity across various environments.



### 3. HIGH PERFORMANCE

The fine grain and superior structure of Canadian Douglas-fir make it less susceptible to warping, twisting, or shrinking compared to other softwood lumber varieties.

Its exceptional strength-to-weight ratio allows it to support significant loads without adding excessive weight, making it ideal for structural applications.



### 4. MOISTURE DURABILITY

Canadian Douglas-fir dries easily and remains dry, making it highly resistant to decay in moist environments and a durable choice worldwide.

It retains its structural integrity across various climates, and its natural durability is perfect for outdoor applications like construction and decking, especially in areas with frequent moisture exposure.

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