

DOUGLAS FIR

Timber Framing, Posts, Beams, Stringers



WHY DOUGLAS FIR?

- **Superior Quality:** Hand selected FOHC (Free of Heart Center) Douglas Fir ensures minimal twisting, cracking, and checking
- **Sustainability:** Sourced from responsibly managed forests, promoting smart conservation
- **Aesthetic Appeal:** Air-dried to preserve natural beauty and prevent moisture issues
- **Durability:** Reliable and stable, perfect for long-lasting construction
- **Peace of Mind:** Quality materials from trusted suppliers lead to successful projects

APPLICATIONS

Douglas Fir Timbers are highly versatile and commonly used in a wide range of construction projects due to their exceptional strength, durability, and aesthetic appeal.

- Timber Frame Homes
- Exposed Beam Ceilings
- Outdoor Decks & Porches
- Pergolas & Gazebos
- Barns & Agricultural Buildings



TECHNICAL SPECIFICATIONS

Grades: No. 1, Dense No. 1, Select Structural

Grading Agency: PLIB (Pacific Lumber Inspection Bureau)

Density: 510 kg/m³

Heartwood: Orange red to reddish brown

Sapwood: Yellowish white

Radial Shrinkage: 4.5%

Tangential Shrinkage: 7.3%

Species: *Pseudotsuga menziesii*

Tree Characteristics: Up to 300 ft tall with diameters of 15-18 ft . . . wow!

Geographic Area: Western North America

Grain/Texture: Generally straight or slightly wavy, medium to coarse texture with moderate luster

Durability: Douglas Fir heartwood is rated moderately durable in regard to decay

Finishing: Easily takes stains and paints

Douglas Fir has the highest strength to weight ratio of any wood species on the planet.

Nova USA Wood Products
3821 24th Ave.
Forest Grove, OR. 97116
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@NOVAUSAWOOD



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UNMATCHED STRENGTH OF FOHC DOUGLAS FIR

Douglas Fir is highly sought after due to its exceptional structural qualities and aesthetic appeal. Free of heart center (FOHC) Douglas Fir timbers are especially valued for their uniformity and strength. These timbers, which are free from the tree's pith, or center, offer superior stability and resistance to warping, twisting, and splitting. This makes them ideal for structural applications where precision and durability are crucial. Additionally, FOHC Douglas Fir's consistent quality and attractive appearance make it a preferred choice for high-quality construction.

METICULOUSLY AIR DRIED

When Douglas Fir is air-dried rather than kiln-dried it retains its natural moisture content and color better, reducing the risk of excessive cracking or shrinking. This slow drying process enhances the wood's visual characteristics, preserving its natural grain and aesthetic appeal. Air-dried Douglas Fir is favored for projects where the visual qualities of the wood are paramount, such as in exposed beams or detailed woodworking. This method also aligns with sustainable practices, ensuring the wood's longevity and performance in various construction environments. Together, these qualities underscore Douglas Fir's reputation as a versatile and reliable building material.

OUR GRADING

Our Douglas Fir Timbers are graded for structural use. All our timbers are grade stamped on one end with the grade, Select Structural, or No. 1 Structural, with approximately 70% of the timbers Select Structural, and 30% No. 1 Structural.

RENEWING A RENEWABLE RESOURCE

Using salvage logs from the forest floor ensures a renewable resource, while the careful selection process guarantees superior clear grades with a fine ring count indicative of slow, stable growth. These qualities contribute to the superior durability and aesthetic appeal of our Douglas Fir offerings.

"The bitterness of using poor quality timbers remains long after the sweetness of low price is forgotten."

Stephen - Seattle, Washington



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