

# DOUGLAS FIR, SPF AND HEM FIR LUMBER



**Weyerhaeuser's precision manufacturing, process control and mill direct supply give you consistent, reliable lumber, delivered when you need it, where you want it.**

Whatever the application, Weyerhaeuser lumber delivers all the time-honored benefits of wood—and then some.

- Precision-graded for consistent appearance and minimal waste
- Lumber is kiln-dried using advanced technology and processes to make straighter lumber
- Our on-time delivery reduces inventory and keeps product fresh
- Log procurement adheres to SFI Certified Sourcing standards

#### **COTTAGE GROVE** *PLIB O-31*

Green Douglas-fir  
Premium, #2&Btr  
2x4 through 2x12

#### **LONGVIEW** *PLIB W-50*

Green Douglas-fir  
Premium, #2&Btr  
2x4 through 2x12, 4x4, 4x6  
Douglas-fir KD/HT  
Premium, #2&Btr  
2x4 through 2x12

#### **SANTIAM** *PLIB O-92*

Green Douglas-fir  
Premium, Studs, #2&Btr, Std&Btr  
2x4 and 2x6

#### **RAYMOND** *PLIB W-41*

Hem Fir KD/HT  
Select Str, Premium, MSR, #2&Btr  
Douglas-fir KD/HT  
Premium, #2&Btr  
2x4 through 2x10

#### **DRAYTON VALLEY** *AFPA-26*

SPF KD/HT  
J-grade, MSR, Prime, #2&Btr  
2x4 through 2x10

#### **GRANDE PRAIRIE** *AFPA-34*

SPF KD/HT  
J-grade, MSR, Prime, #2&Btr, Studs  
2x4 through 2x10

#### **PRINCETON** *COFI-67*

SPF KD/HT  
J-grade, MSR, Prime, #2&Btr  
2x4, 2x6, 2x10

#### **KALISPELL** *WWPA-261*

DFL, SPF's/SPF, WW, #2, KD/HT  
2x4, 2x6, PET, 92%, 104%, 116%



**SUSTAINABLE  
FORESTRY  
INITIATIVE**

Certified Sourcing

[www.sfiprogram.org](http://www.sfiprogram.org)  
SFI-00008

**DOUGLAS FIR** is a straight grained and resilient timber with high strength to weight ratio as well as quick availability and ease of use. Its light rosy color is set off by a remarkably straight grain pattern making it a premium building product specified by architects, engineers and builders for a wide range of construction applications. Douglas-fir is also valued for its dimensional stability and its high specific gravity which provides excellent nail-holding capability.

**SPF** (spruce-pine-fir) is the name given to a combination of spruces, pines and firs that share similar characteristics and are found throughout the forests of Canada. SPF's high fiber strength, light weight and easy workability make it an excellent choice for house construction, trusses and home projects. SPF dimension lumber is kiln-dried to make it straight and dimensionally stable. Its clean, white appearance and small knots create an attractive look for interior projects. SPF is also a popular choice for remanufacturing into specialty items such as furniture, crates, pallets and moldings.

**HEM FIR** As a framing material for residential, commercial and industrial buildings, Hem Fir lumber is valued for its strength, versatility and ease of use. Hem Fir is light in color varying from a creamy, nearly white to a light, straw-brown color. Its fiber characteristics are ideally suited for the load-bearing and load carrying requirements of residential and light commercial construction, provide outstanding pressure-treating performance and offer exceptional wear resistance on high-traffic areas in outdoor applications.

# DOUGLAS FIR, SPF, HEM-FIR, DOUGLAS FIR-LARCH, SPFs/SPF, WESTERN WOODS

## SPECIES DESCRIPTIONS

### DOUGLAS FIR

A straight grained and resilient timber with high strength to weight ratio as well as quick availability and ease of use. Its light rosy color is set off by a remarkably straight grain pattern making it a premium building product specified by architects, engineers and builders for a wide range of construction applications. Douglas fir is also valued for its dimensional stability and its high specific gravity which provides excellent nail-holding capability.

### SPF (spruce-pine-fir)

This is the name given to a combination of spruces, pines and firs that share similar characteristics and are found throughout the forests of Canada. SPF's high fiber strength, light weight and easy workability make it an excellent choice for house construction, trusses and home projects. SPF dimension lumber is kiln-dried to make it straight and dimensionally stable. Its clean, white appearance and small knots create an attractive look for interior projects. SPF is also a popular choice for remanufacturing into specialty items such as furniture, crates, pallets and moldings.

### HEM-FIR

As a framing material for residential, commercial and industrial buildings, Hem-Fir lumber is valued for its strength, versatility and ease of use. Hem-Fir is light in color varying from a creamy, nearly white to a light, straw-brown color. Its fiber characteristics are ideally suited for the load-bearing and load carrying requirements of residential and light commercial construction, provide outstanding pressure-treating performance and offer exceptional wear resistance on high-traffic areas in outdoor applications.

### DOUGLAS FIR-LARCH

Douglas Fir-Larch studs are the backbone for most interior and exterior wall framing. Characteristics affecting strength and stiffness values are limited, making this product perfectly suited for vertical uses such as load-bearing walls.

### SPFs/SPF (spruce-pine-fir South/SPF)

This species combination, classed as moderately strong, is cross-continental in origin. Because of similar design values, the combination in the Western region includes **Engelmann** and **Sitka spruces** and **Lodgepole Pine**. SPFs design values make it appropriate for general framing applications.

### WESTERN WOODS (WW)

In a structural performance context, the term, "Western Woods" specifically indicates a combination of the Western pines (**Ponderosa**, **Sugar** and **Idaho White Pine**), **Mountain Hemlock** and **Alpine Fir** because these species share similar design values. While these species are not the strongest among Western species, these species are light colored, moderately strong, and fine grained.