

WOOD GRADES

DIMENSIONAL



Grade 2 Douglas Fir
Valley Box's #1 choice of wood is known for strength & stability. It has limited knots & defects yielding little to no scrap.



Grade 3 Douglas Fir
More defects in the wood can create higher overhead due to low yields with high scrap ratios and excess handling labor. Good for strength, but not for appearance.



Grade 4 Douglas Fir
Usually referred to as "junk wood" because of the excess amounts of wane and knots. High scrap to low yield ratio. It's rough surface demands more time for quality appearance.

PLYWOOD



ACX Douglas Fir
Face grade A is the highest grade quality available
Back is grade C plywood lower grade quality but reasonable choice in general
Adhesive Waterproof glue to bond plywood together



CDX Douglas Fir
Face grade C knots and defects filled, usually ready for polishing
Back grade D can be exposed to moisture but not permanently
Adhesive Waterproof glue to bond plywood together



Marine Grade Douglas Fir
Treated to resist rotting and warping in a high-moister environment.
AB Faces are smooth with no open knots on either side.
Adhesive Moisture-resistant phenol-formaldehyde resin.

LUMBER



Douglas Fir
Universally recognized for its superior strength-to-weight ratio. Its high specific gravity provides excellent nail and plate holding ability. Superior performance against strong forces like weather.



Hem Fir
Light and bright in color, varying from a creamy, nearly-white to a light color. Can meet but not exceed many of the structural load-bearing and load-carrying requirements of residential, light commercial and heavy construction.



Oriented Strand Board
Made from wood ground into thin wood strands. These strands are mixed with wax and adhesive and then hot pressed. Doesn't hold screws well, and can sag during humid conditions.