

Wood Species Specific Gravity, G, For Wood Connection Design

Specific Gravities For North American Wood Species	
Species Combination	Specific Gravity, G
Aspen	0.39
Alaska Cedar	0.47
Alaska Hemlock	0.46
Alaska Spruce	0.41
Alaska Yellow Cedar	0.46
Balsam Fir	0.36
Beech-Birch-Hickory	0.71
Coast Sitka Spruce	0.43
Cottonwood	0.41
Douglas Fir-Larch	0.50
Douglas Fir-Larch (North)	0.49
Douglas Fir-South	0.46
Eastern Hemlock	0.41
Eastern Hemlock-Balsam Fir	0.36
Eastern Hemlock-Tamarack	0.41
Eastern Hemlock-Tamarack (North)	0.47
Eastern Softwoods	0.36
Eastern Spruce	0.41
Eastern White Pine	0.36
Engelmann Spruce-Lodgepole Pine	0.38
Hem-Fir	0.43

Hem-Fir (North)	0.46
Mixed Maple	0.55
Mixed Oak	0.68
Mixed Southern Pine	0.51
Mountain Hemlock	0.47
Northern Pine	0.42
Northern Red Oak	0.68
Northern Species	0.35
Northern White Cedar	0.31
Ponderosa Pine	0.43
Red Maple	0.58
Red Oak	0.67
Red Pine	0.44
Redwood, close grain	0.44
Redwood, open grain	0.37
Sitka Spruce	0.43
Southern Pine	0.55
Spruce-Pine-Fir	0.42
Spruce-Pine-Fir (South)	0.36
Western Cedars	0.36
Western Cedars (North)	0.35
Western Hemlock	0.47
Western Hemlock (North)	0.46
Western White Pine	0.40

Western Woods	0.36
White Oak	0.73
Yellow Cedar	0.46
Yellow Poplar	0.43

Specific Gravities For Non-North American Wood Species	
Species Combination	Specific Gravity, G
Austrian Spruce – Austria & The Czech Republic	0.43
Douglas Fir/European Larch – Austria, The Czech Republic & Bavaria	0.47
Montane Pine – South Africa	0.45
Norway Spruce – Estonia & Lithuania	0.43
Norway Spruce – Finland	0.42
Norway Spruce – Germany, NE France, & Switzerland	0.42
Norway Spruce – Romania & the Ukraine	0.38
Norway Spruce – Sweden	0.42
Scots Pine – Austria, The Czech Republic, Romania & the Ukraine	0.50
Scots Pine – Estonia & Lithuania	0.45
Scots Pine – Finland	0.48
Scots Pine – Germany	0.53
Scots Pine – Sweden	0.47
Silver Fir (Abies alba) – Germany, NE France, & Switzerland	0.43
Southern Pine – Misiones Argentina, Free of Heart Center and Medium Grain Density	0.54
Southern Pine – Misiones Argentina	0.45

