A Visual Guide to U.S. Softwood Species & Grades



# Introduction

grades from the first two categories an (Structural and Appearance) for easy comparison of differences factured into hundreds of products and sold according to specifically defined grades. Grades are grouped into three basic categories: 1) Structural, 2) Appearance, and 3) Shop/Factory native to the U.S. These a factured into hundreds of There ιportant are more softwood species that than 22 commercially are manuiample and and

detailing Eastern a softwood species a species 앜 species-specific guides (www.softwood.org). Additional information about these the Softwood Export Council website is included on publications and and Western The applications and guides site includes

www.softwood.org Portland, Softwood OR USA Export Council



## Single Ħ <u>/00D</u> combinations SPEC S

## OMBINAT S SPECIES æ SPECIES

California Redwood Sequoia semper virens

arch (Species

\* Douglas Fir - Larch (Species Douglas Fir - Pseudotsuga menziesii Western Larch Larix occidentalis

Hem-Fir (Species Gro California Red fir Abies magnifica Grand fir Abies grandis Abies grandis Eastern White Pine Pinus strobus (dno

Abies grandis Mountain Hemlock Tsuga mertensiana

Abies procera
Pacific Silver fir
Abies amabies
Western Hemlock
Tsuga heterophylla
White fir
Abies concolor Noble ₽

Idaho Wiine . ... Pinus monticola

Spruce Pine Fir (Species Engelmann Spruce Picea engelmannii Lodgepole Pine Ponderosa Pine Pinus ponde ponderosa

Lodgepole Pine Pinus contorta Sitka Spruce Picea sitchensis

Sugar Pine

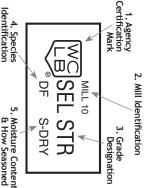
Western Cedars ( Alaskan Cedar Chamaecvpar Pinus lambertiana (Species Group)

Chamaecyparis nootkatensis Incense Cedar

Libocedrus decurrens
Port Orford Cedar
Chamaecyparis lawson
Western Red Cedar
Thuja plicata lawsoniana

Photographic product samples of these species and their grades are shown in this this guide.

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## Certific ation Mar

super mark He grading vision. Attests agenc q quality Š registere control

## 2 ≝ Identification

identity. Reveals the It may manut be rac а name Ę 8u. 9 ∄.

assigned mil E number.

## Grade ade abbre name, Designation viation number,

letter,

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Indicates species cies Identific species combination. ation à ₹. dividual spec S

5 Indicates condition Moisture Sur the 으 Content at moisture asoning the ድ mil E ⋠ content en eas Ħ

CONST	COM	딙	BTR	., 7
Construction	Common	Clear	Better	.) It was a summer of the summ

Douglas Finish Western he nlock true

南南南岩

.≤≤ hemlock hemlock hemlock P P P

Industrial Kiln Dried Dried

중종국

Ponderosa Export R-Surfaced Moisture Merchantable ă ₽. ontent ading

무 PREW

Stud gr Utility Wester White Select Surfaced Standard Standard grad Selec Ŋ (S) C) (uns

R-List S-DRY SEL STR S-GRN STAND

ants

Woods

Woods

# AR ш

escriptions ses

grade shelving, texture, suit each and and and Pro lumber thicknesses, decorative Fnd defined for stress-rated boards. Grades ariety of abinetry, ç not avoid marring the ducts customer considered. the nearly graded manufacturing imperfections a variety of grading lumber ne most utilitarian. Stre a consideration except S. range include number ∄ flooring, and all e installations. A typically not case goods, flooring, and standard ' clear g each lumber the widths needs. agency's from the is available their paneling, turning, ooods, cladding, These natural premium and Appearance and and custom-size Instead, l size ae Wood. Highest Grading factors gradesthetic highestlengths grade characteristic Strength ⊒. types ppearance 앜 products furniture, ۵ knots )-stamp grade grain Ħ appe Rules Ħ ategor Ç







140 mm 5.5"

184 mm 7.25"

235 mm 9.25"





# Ш













# escriptions DES

design, grade and size. through testing Numeric engineering values, characteristic Structural are assigned to each specie lumb S that ğ ij impact to each species, graded its based established strength. 9

structural classifications. The National Grading Rule structural lumber into four These include: Rule classifies

## lumber Structural Light Framing applications. This in sizes from 38 grades of structural in construction, are used for high lumber light the strength framing Ŋ. strongest available

## ight Framing

38

89 mm

wide

89 mm

thick

framing Used in general construction applications and available in ame sizes as structural light lumber.

# Structural Joists and Planks

Used Stud

in wall framing

and vertical

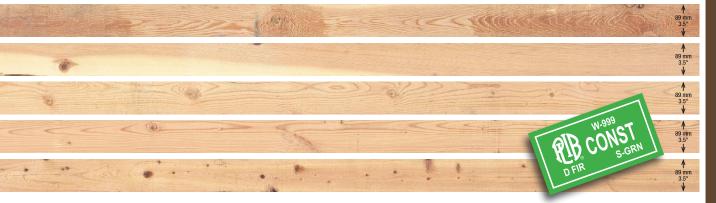
support

applications

roof construction and engineering uses. \_arge support, sizes are and high strength used for floor joists,

used redwood and cedar. and special purpose grades for lumber There are special grades always grades specific ð that is deck construction. grade-stampe machine to species Structural products stre available for ss-rated, There such







Utility 2X4













√o. 2







## Standard



## Utility





US softwood products internationally. work together to promote agencies, state export development industry trade associations, lumber grading agencies, association made up of is a non-profit trade The Softwood Export Council and universities that

Website: www.softwood.org Softwood Export Council Email: admin@softwood.org Portland, Oregon USA

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