

WALL AND ROOF PLANK ALL WEST COAST SPECIES

“DEX” WALL AND ROOF PLANK

2" to 4" Thick

4" and Wider

For patterns, see Para. 400

127. “DEX” Wall and Roof Plank is widely used for attractive walls and roofs. Often the underside is left exposed for paneled ceilings, the upper side serving as a base for roofing material. Appropriate working stresses for these uses are assigned to the grades. See table 7, Para. 200.

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When orders for “DEX” Wall and Roof Plank specify “square end trim,” pieces are trimmed square with a tolerance of 1/64" permitted, based on 6" widths, measured on the face side. This does not preclude the practice of slightly back-beveling the ends from the face side to reverse side to insure a closer fit.

“DEX” Wall and Roof Plank is usually surfaced to single tongue and groove pattern in 2" thicknesses and double tongue and groove in 3" and 4" thicknesses, with edge “V” one side. The side with the “V” or pattern shall be considered the face side.

There are two grades of “DEX” Wall and Roof Plank: “SELECT DEX” and “COMMERCIAL DEX.” In addition to the following specific provisions applicable to “DEX” Wall and Roof Plank, the appropriate provisions in all other paragraphs of the rules apply.

127-b. “SELECT DEX” — WALL and ROOF PLANK.

Lumber of this grade is recommended for high class construction where good strength and fine appearance are desired. Knots and other natural characteristics which add to the decorative character of the piece are permitted.

Characteristics and limiting provisions on exposed faces, except as noted, are:

Medium stained sapwood. Heart stain firm.

Occasional short splits.

Medium seasoning checks, scattered.

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Holes, pin to small in size, none through; equivalent to chipped knots.

Medium torn or raised grain.

Medium grain in Douglas fir only.

Slope of grain not to exceed 1 in 10.

Pitch, light or equivalent very small streak.

Tongue 1/16" narrow in occasional pieces.

Medium bark pockets.

Very small, dry pitch pockets.

Light crook or very light twist, in occasional pieces.

Knots, sound and tight, on exposed face except as noted below

Knots, well spaced, are permitted in the following sizes on both wide faces. For measurement, see Para 201-a.

Nominal Width	Net Face Width	Knot Size
4"	3"	1-1/2"
5"	4"	1-7/8"
6"	5"	2-3/8"
6"	5-1/4"	2-1/2"
8"	6-3/4"	3-1/4"
10"	8-3/4"	4"
12"	10-3/4"	5"

In occasional pieces, firm and tight knots not exceeding 1-1/2" in diameter are permitted if not through the piece and do not exceed two in 12' of length, or equivalent smaller.

Spike and narrow face knots are permitted if judged to have no more effect on strength than other knots.

Knots may contain chipped or unsound spots not larger than approximately 3/4" in diameter if not through the piece and do not exceed two in 12' of length or equivalent smaller.

Back and Unexposed Edges

On back and unexposed edges, hit and miss skips, wane approximately 1/3 of the face width and other characteristics not interfering with the intended use are permitted except as noted.

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For cedar species the natural characteristic of pitted areas or peck is permitted on back and unexposed edges when the peck is narrow and well scattered and does not affect the strength more than other characteristics permitted in the grade.

127-c. "COMMERCIAL DEX"— WALL AND ROOF PLANK.

Lumber of this grade is recommended and customarily used for the same purposes served by the higher grade when appearance requirements are not critical.

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Characteristics and limiting provisions are:

Stained wood.

Splits approximately 1/6 the length.

Seasoning checks.

Small holes.

Torn grain.

Medium grain in Douglas fir only.

Slope of grain not to exceed 1 in 8.

Pitch streaks.

Hit and miss skips.

Tongue 1/16" narrow.

Wane approximately 1/6 the face width.

Pitch or bark pockets.

Firm white specks, narrow streak.

Unsound wood in small spots or streaks up to 1" wide may be accepted on any face. In cedar species only, spots or streaks may be accepted up to 1/3 the width on any face.

Shake — not serious.

Medium crook or very light twist in occasional pieces.

Knots, well spaced, are permitted in the following size on both wide faces:

This section is part of Standard Grading Rules for West Coast Lumber No. 17 (2004 edition) published by West Coast Lumber Inspection Bureau (www.wclib.org). Other sections and provisions of the grade rules may be applicable to the information and specifications provided here. Please refer to the table of contents for additional cross reference information.

**WALL AND ROOF PLANK
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Nominal Width	Net Face Width	Knot Size
4"	3"	1-3/4"
5"	4"	2-3/8"
6"	5"	2-7/8"
6"	5-1/4"	3"
8"	6-3/4"	3-3/4"
10"	8-3/4"	4-7/8"
12"	10-3/4"	6"

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Spike and narrow face knots are permitted if judged to have no more effect on strength than other knots.

Chipped and/or broken out knots, not larger than approximately 1-1/2" in diameter, are permitted if not through the piece.

On Back and Unexposed Edges

Wane approximately 1/3 of face and other characteristics not interfering with the intended use are permitted on unexposed back and edges except as noted.

Any piece with an unusual combination of characteristics which seriously affects normal serviceability is excluded from the grade.

WESTERN RED CEDAR FOUNDATION LUMBER

2" and Thicker
4" and Wider

128. The dimensional stability and decay resistance qualities of this material make it ideally suited for use as Foundation Lumber.

In addition to the following specific provisions applicable to Foundation Lumber, the appropriate provisions in all other paragraphs in the rules apply.

For measurement of knots, see Para. 201-b.

There is only one grade of Foundation Lumber: "FOUNDATION." It is selected from heartwood and must be free of heart center (FOHC) and free of sapwood.

128-a. "FOUNDATION."

Characteristics and limiting provisions are:

Splits — medium.

Checks — seasoning. If through at ends, limited as splits.

Torn grain.

Skips — hit and miss. In 5% of pieces, hit or miss or a heavy skip.

Bark pockets.

Shake — through heart shakes up to 2' long, well separated. If not through, single shakes 3' long or 1/4 the length, whichever is greater.

Warp — light.

Peck (unsound wood) — narrow streak 1/6 the width.

Knots, sound, unsound or not firmly fixed but well spaced, are permitted in the following sizes or their equivalent displacement:

Nominal Width	Knot Size	Holes from Any Cause	
4"	2"	1-1/4"	One or equivalent smaller per 2 lineal feet
6"	2-1/2"	1-1/2"	
8"	3"	2"	
10"	3-1/2"	2-1/2"	
12"	4"	3"	
Over 12"	4-1/2"	3-1/2"	

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WESTERN RED CEDAR FOUNDATION LUMBER

Narrow face and spike knots are permitted if judged to have no more effect on strength than other knots.

All or nearly all of the permissible characteristics of the grade are never present in maximum size or number in any one piece. Any piece with an unusual combination of characteristics which seriously affects normal serviceability is excluded from the grade.

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