

ALL SPECIES

**K.D. FINISH, V.G., F.G., and/or M.G.
ALL SPECIES (EXCEPT WR CEDAR)
2" & Thinner, 2" & Wider**

2

101. Finish is customarily shipped kiln dried and surfaced four sides. Grade descriptions are based on a piece 8" wide & 12' long. The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece.

Pieces 5" & narrower are graded from best face and both edges; pieces 6" & wider from best face and one edge.

There are two grades of Finish: "**C and Better**" and "**D**." If ordered V.G., face should have V.G. appearance.

101c. "C AND BETTER" FINISH

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - 4 small, scattered.
- Cup - light - occasional pieces.
- Heart Stain - firm.
- Skips - occasional, very light, on edges and reverse side.
- Splits - short, in 5% of the pieces.
- Sap Stain - medium.
- Torn or Raised Grain - light.
- Warp - light in occasional pieces.
- Knots - 2 sound tight small or 3 equivalent smaller, or Pitch Streak - 1 small, or Pockets - 4 small.
- Cutout - 5% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' or longer, provided such pieces are otherwise of a high type.

ALL SPECIES

101d. "D" FINISH

Characteristics on reverse face may be 25% larger or more numerous.

Characteristics or their equivalent smaller which may appear on pieces in the grade and their limiting provisions are:

- Checks - medium, scattered.
- Cup - medium.
- Pin Holes - limited.
- Pitch Streak - medium.
- Pockets - 4 medium.
- Skips - medium - 2 per 12', hit and miss on reverse side, approximately $\frac{1}{8}$ " scant in width if one edge surfaced.
- Splits - short.
- Stained Wood - not limited.
- Torn or Raised Grain - not limited.
- Wane - $\frac{1}{8}$ width, $\frac{1}{4}$ the length or equivalent, $\frac{1}{4}$ the thickness; 50% more on reverse face.
- Warp - medium.
- White Specks - firm, $\frac{1}{4}$ the width or equivalent.
- Knots - 4, 1" fixed or 8 equivalent smaller.
- Cutout - 10% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' or longer.

ALL SPECIES

K.D. CEILING AND SIDING, V.G., F.G.
and/or M.G.

ALL SPECIES (EXCEPT WR CEDAR)

1" & Thinner

3", 4", 6", 8" & Wider

2

102. Ceiling and Siding are customarily shipped kiln dried and surfaced two sides, tongued and grooved or shiplapped and usually run to a pattern. The reverse side may be partially surfaced or hollow or scratched back. In occasional pieces of "C and Better," the tongue or lap in Siding may be $\frac{1}{16}$ " narrow and Ceiling with a tongue $\frac{1}{8}$ " or more in width is permissible. Grade descriptions are based on a piece 6" wide and 12' long. The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece.

When V.G. is ordered, face must have V.G. appearance.

There are three grades of Ceiling and Siding: "C and Better," "D" and "E."

102c. "C AND BETTER" CEILING AND SIDING

Characteristics or their equivalent smaller which may appear on pieces in the grade and their limiting provisions are:

- Checks - 3 small.
- Heart Stain - firm.
- Sap Stain - medium.
- Skips - occasional, very light.
- Torn or Raised Grain - light.
- Warp - light, occasional pieces.
- Knots - 3 sound tight small or 4 equivalent smaller,
or Pitch Streaks - 2 small,
or Pockets - 5 small.
- Cutout - 5% of the pieces in a shipment may have a 3"
cutout, 4' or more from either end in pieces 12'
and longer, provided such pieces are otherwise
of a high type.

ALL SPECIES

102d. "D" CEILING AND SIDING

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - not limited.
- Holes - 1, 1" or equivalent smaller in pieces 8' to 14' long, and 2, 1" or equivalent smaller in pieces 16' & longer.
- Pin Holes - limited.
- Pitch Streaks - large.
- Pockets - 5 medium.
- Skips - hit and miss on face or grooved edge.
- Splits - medium.
- Stained Wood - not limited.
- Tongue or Lap - narrow, must be at least $\frac{1}{16}$ " in width.
- Torn or Raised Grain - not limited.
- Warp - medium.
- White Specks - firm, $\frac{1}{4}$ the width or equivalent.
- Knots - 4 fixed, approximately 1" or 8 equivalent smaller.
- Cutout - 10% of the pieces in a shipment may have a 3" cutout, 4' or more from either end in pieces 12' & longer.

102e. "E" CEILING AND SIDING

Graded under provisions for "E" Flooring, Para. 104e.

ALL SPECIES

**K.D. CASING AND BASE, V.G., F.G.
and/or M.G.**

1" Thickness, 2" or Wider

2

103. Casing and Base are customarily shipped kiln dried and run to a pattern. The reverse side may be hollow or scratched back. Grade descriptions are based on a piece 4" wide & 12' long. The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece.

In applying these Rules, the face and both edges shall be considered in Casing and best face and exposed edge in Base. When V.G. is ordered, face must have V.G. appearance.

There are three grades of Casing and Base: "**C and Better**," "**D**" and "**E**."

103c. "C AND BETTER" CASING AND BASE

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - small.
- Heart Stain - firm.
- Skips - occasional, very light on edges and reverse side.
- Splits - short, in 5% of the pieces.
- Sap Stain - medium.
- Torn or Raised Grain - light.
- Warp - light in occasional pieces.
- Knots - 1 sound tight small or 2 equivalent smaller,
or Pitch Streak - 1 small,
or Pockets - 2 small.
- Cutout - 5% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' and longer, provided such pieces are otherwise of a high type.

ALL SPECIES

103d. "D" CASING AND BASE

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - medium, occasional 12".
- Pin Holes - limited.
- Pitch Streak - medium.
- Pockets - 2 medium.
- Skips - hit and miss either face; approximately $\frac{1}{8}$ " scant on edge.
- Splits - short.
- Stained Wood - not limited.
- Torn or Raised Grain - not limited.
- Wane - $\frac{1}{8}$ the width, $\frac{1}{4}$ the length or equivalent, $\frac{1}{4}$ the thickness; 50% more on reverse face.
- Warp - medium.
- White Specks - firm, $\frac{1}{4}$ the width or equivalent.
- Knots - 2 fixed approximately 1" or 4 equivalent smaller.
- Cutout - 10% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' or longer.

103e. "E" CASING AND BASE

Graded under provisions for "E" Flooring, Para. 104e.

K.D. FLOORING, V.G., F.G. and/or M.G.

2" & Thinner

3", 4" & 6" Wide

104. Flooring is customarily shipped kiln dried and surfaced two sides, tongued and grooved. The reverse side may be partially surfaced or hollow or scratched back. Grade descriptions are based on a piece 4" wide & 12' long.

The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece.

When V.G. Flooring is ordered, the face must present a V.G. appearance with an average of not less than 4 rings per inch at both ends.

There are three grades of Flooring: "C and Better," "D" and "E."

ALL SPECIES

104c. "C AND BETTER" FLOORING

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - 2 small.
- Heart Stain - firm.
- Skips - very light, occasional piece.
- Sap Stain - medium.
- Tongue - $\frac{1}{16}$ " narrow.
- Torn or Raised Grain - light.
- Warp - light in occasional pieces.
- Knots - 2 sound tight small or 3 equivalent smaller, or Pitch Streak - 1 small, or Pockets - 3 small.
- Cutout - 5% of the pieces in the shipment may have a 3" cutout, 4' or more from either end in pieces 12' and longer, provided such pieces are otherwise of a high type.

2

104d. "D" FLOORING

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - not limited.
- Holes - 1, 1" or equivalent smaller in 8' to 14' and 2, 1" or equivalent smaller in 16' & longer.
- Pin Holes - limited.
- Pitch Streaks - large.
- Pockets - 4 medium.
- Skips - hit and miss on face or grooved edge.
- Splits - medium.
- Stained Wood - not limited.
- Tongue - narrow, must be at least $\frac{1}{16}$ " in width.
- Torn or Raised Grain - not limited.
- Warp - medium.
- White Specks - firm, $\frac{1}{4}$ the width or equivalent.
- Knots - 4 fixed, approximately 1" or 8 equivalent smaller.
- Cutout - 10% of the pieces in the shipment may have a 3" cutout, 4' or more from either end in pieces 12' & longer.

ALL SPECIES

104e. "E" M.G. FLOORING

All characteristics which do not interfere with the use of the piece full length are permitted. In pieces over 6' long, characteristics which interfere with use of the piece full length are permitted if not located within 2' of either end and provided also that 75% of such a piece can be used after cutting into two or three pieces. Pieces 6' and shorter must be usable full length.

K.D. STEPPING, V.G., F.G. and/or M.G.

105. Stepping is customarily shipped kiln dried, surfaced two sides, one edge and bull nosed on the opposite edge. Grade descriptions are based on a piece 12" wide & 12' long. The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece. Characteristics which appear in an area of about 1" on the face side of the riser edge are not considered.

There are two grades of Stepping: "C and Better" and "D."

105c. "C AND BETTER" STEPPING

When V.G. is ordered, angle of grain should not be more than 45° from vertical for 1/2 the face from wearing edge.

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

Checks	- small, none through.
Heart Stain	- firm.
Skips	- occasional, very light on face and back, hit and miss on riser edge.
Sap Stain	- medium.
Torn or	
Raised Grain	- light.
Warp	- light.
Knots	- 4 sound tight small or 6 equivalent smaller, or 2, 1", or Pitch Streaks - 2 small, or Pockets - 9 small.
Cutout	- 5% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' and longer, provided such pieces are otherwise of a high type.

ALL SPECIES

105d. "D" STEPPING

When V.G. is ordered, angle of grain should not be more than 60° from vertical for 1/2 the face from wearing edge.

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

Checks	- not limited.
Pin Holes	- limited.
Pitch Streaks	- medium.
Pockets	- 6 medium.
Skips	- hit and miss; hit or miss on riser edge.
Splits	- short.
Stained Wood	- not limited.
Torn or Raised Grain	- not limited.
White Specks	- firm, 1/4 the width or equivalent.
Knots	- 6 - 3/4", or 4 - 1", or 2 - 1 1/2" in size or equivalent fixed smaller.
Cutout	- 10% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' and longer.

2

CLEAR PANELLING ALL SPECIES (EXCEPT WR CEDAR)

106. All species may be used for Panelling and are graded under the Finish paragraphs, except that it is graded as a one face grade.

WINDOW JAMB, DOOR JAMB DOOR SILL, WINDOW SILL WINDOW STOOL

107. These patterns are to be graded under the Finish Rules, except that they are graded as a one face grade.

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ALL SPECIES

INDUSTRIAL CLEARS ALL SPECIES (EXCEPT WR CEDAR) V.G., F.G., AND/OR M.G. Rough or Surfaced K.D., A.D., or Unseasoned 2" & Thinner, 3" & Wider

2

108. Industrial Clears, if ordered surfaced, are finished to the sizes shown in Para. 820c., unless otherwise specified. If ordered rough unseasoned, the approximate tolerance in sawing under nominal is limited as per Para. 747. For seasoned thicknesses and widths refer to Para 32.

Grade descriptions are based on a piece 8" wide & 12' long. The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece.

Pieces 5" & narrower are graded from best face and both edges; pieces 6" & wider from best face and one edge.

There are three grades of Industrial Clears: "**B and Better**," "**C**" and "**D**."

108b. "B AND BETTER" INDUSTRIAL

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - 4, small - no limit in number if surface is rough.
- Cup - light.
- Pitch Streak - 1 small, or Pockets - 3 very small, or Pin Holes - 3
- Rate of Growth - average 6 rings per inch.
- Sapwood - bright, 1/3 the width or equivalent.
- Slope of Grain - not to exceed 1 in 8.
- Splits - short, in 5% of the pieces.
- Torn or Raised Grain - very light.
- Warp - very light in occasional pieces.

108c. "C" INDUSTRIAL

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - 4, small - no limit in number if surface is rough.
- Cup - light in occasional pieces.
- Heart Stain - firm.

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Sap Stain	- medium; 25% of face or equivalent greater area of light stain.
Skips	- occasional, very light on face; light on edges and on back.
Slope of Grain	- 1 in 6.
Splits	- short, in 5% of the pieces.
Torn or Raised Grain	- light.
Warp	- light in occasional pieces.
Knots	- 2 sound tight small, or 3 equivalent smaller, or Pitch Streak - 1 small, or Pockets - 4 small or Pin Holes - 8 .

108d. "D" INDUSTRIAL

Reverse face must be of a reasonably clear type, allowing characteristics 25% larger or more numerous. Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

Checks	- not limited.
Cup	- medium.
Holes/Slough Knots	- 1 small or equivalent smaller on face, two (2) $\frac{1}{2}$ " or equivalent smaller on back
Knots	- 4 fixed, approximately 1" or 8 equivalent smaller.
Pin Holes	- limited.
Pitch Streaks	- medium.
Pockets	- 4 medium.
Skips	- hit and miss; approximately $\frac{1}{8}$ " scant on edge, hit or miss on back.
Slope of Grain	- 1 in 4
Splits	- short.
Stained Wood	- not limited.
Torn or Raised Grain	- not limited.
Wane	- $\frac{1}{8}$ the width, $\frac{1}{4}$ the length or equivalent, $\frac{1}{4}$ the thickness; 50% more on reverse face.
Warp	- light.
White Specks	- firm, $\frac{1}{4}$ the width or equivalent.
Cutout	- 10% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' & longer.

ALL SPECIES

INDUSTRIAL CLEARS

2¹/₄" & Thicker

3" & Wider

2

109. Industrial Clears, if ordered surfaced, are finished to the sizes shown in Para. 820c., unless otherwise specified.

If ordered rough unseasoned, the approximate tolerance in sawing is limited as per Para. 747. For seasoned thicknesses and widths, refer to Para. 32.

Grade descriptions are based on a piece 8" wide & 12' long. The number of characteristics in larger or smaller pieces may vary in proportion to the size of the piece.

The grade is determined from the better face with the upper half of the edges considered as part of the face and lower half of the edges as part of the reverse face, the reverse face being approximately one grade lower.

There are three grades of Industrial Clears: "**B and Better**," "**C**" and "**D**."

109b. "B AND BETTER" INDUSTRIAL

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

Checks - 4 small - no limit in number if surface is rough.

Pockets - 3, 4" in 2¹/₄" thicknesses to 3, 6" in 4" & thicker or 1 small Pitch Streak.

Rate of Growth - average 6 rings per inch.

Sapwood - bright, 1/3 the width or equivalent.

Skips - light on back in occasional piece.

Slope of Grain - not to exceed 1 in 8.

Splits - short, in 5% of the pieces.

Torn or Raised Grain - very light.

Warp - very light in occasional piece.

109c. "C" INDUSTRIAL

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

Checks - 4 small - no limit in number if surface is rough.

Heart Stain - firm.

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- Skips - occasional very light on face; light on edges and reverse side.
- Slope of Grain - 1 in 6.
- Splits - short, in 5% of the pieces.
- Sap Stain - medium; 25% of face or equivalent greater area of light stain.
- Torn or Raised Grain - light.
- Warp - light in occasional pieces.
- Knots - 4 sound tight 1" or 5 equivalent smaller in 2¹/₄" thicknesses to 4, 2" or 5 equivalent smaller in 12" thicknesses:
or Pitch Streak - 1 medium,
or Pockets - 4, 6".

109d. "D" INDUSTRIAL

Reverse face must be of a reasonably clear type, allowing characteristics 25% larger or more numerous.

Characteristics or their equivalent smaller which may appear on pieces in this grade and their limiting provisions are:

- Checks - not limited.
- Pin Holes - limited.
- Pitch Streaks - medium.
- Pockets - 4 medium, occasional pocket may be 25% larger.
- Skips - hit and miss; approximately 1/8" scant on edge.
- Splits - short.
- Stained Wood - not limited.
- Torn or Raised Grain - not limited.
- Wane - 1/8 the width, 1/4 the length or equivalent, 1/4 the thickness; 50% more on reverse side.
- Warp - medium.
- White Specks - 1/4 the width or equivalent.
- Knots - 4 fixed, 1" or 7 equivalent smaller in 2¹/₄" thicknesses to 4, 2" or 7 equivalent smaller in 12" thicknesses.
- Cutout - 10% of the pieces in a shipment may have a 3" cutout, 3' or more from either end in pieces 12' & longer.