



Beronio

L U M B E R

Since 1911

Cedar Siding



WESTERN RED CEDAR

(Thuja Plicata) is one of North America's great renewable resources. Cedar's natural durability and great dimensional stability make it ideally suited for both exterior siding and demanding interior applications such as kitchens, baths and saunas. All our clear profiles are run from premium vertical grain stock for maximum stability and to avoid grain raise issues.

NOTE ON COLOR The heartwood is a rich brown often with random streaks and bands of darker red and chocolate brown areas, and any shipment will contain a mixture of the various shades. This photo gives a good idea of the possible color range as will the various photos in this catalog. *As a rule, the color difference will be less noticeable in the field once the wood has been finished and exposed to sunlight.*

COLOR RANGE



Dark

Mixed

Light

CLEAR VG PROFILES

K40V

5/8 x 4 Red Cedar Clear Hrt VG TG
5/8" Net x 3-1/2" Face

Smooth V Face



Pros: Good value, large stock inventory, 3-1/2" wide face, blind nail fastening, V groove face helps hide movement.

Cons: 5/8" thickness may limit applications

CLEAR VG PROFILES

K40V

5/8 x 4 Red Cedar Clear Hrt VG TG
5/8" Net x 3-1/2" Face

Resawn SE Back



Pros: Good value, large stock inventory, 3-1/2" wide face, blind nail fastening, resawn face takes and holds a finish well.

Cons: 5/8" thickness may limit applications, movement is more noticeable on a flush joint than a V joint.

CLEAR VG PROFILES

K42V

1 x 6 Red Cedar Clear Hrt VG TG
3/4" Net x 5-1/4" Face

Smooth V Face



Pros: Good value, large stock inventory, V joint detail helps hide movement, hidden blind nail fastening, full 3/4" thickness for added stability.

Cons: Wider face can show movement.

CLEAR VG PROFILES

K42V

1 x 6 Red Cedar Clear Hrt VG TG
3/4" Net x 5-1/4" Face

Resawn SE Back



Pros: Good value, large stock inventory, hidden blind nail fastening, resawn face takes and holds a finish well, full 3/4" thickness for added stability.

Cons: Movement is more noticeable on a square edge face as wood expands and contracts.

CLEAR VG PROFILES

K44V

1 x 4 Red Cedar Clear Hrt VG TG
3/4" Net x 3-1/4" Face



Pros: Modern square edge profile, hidden blind nail fastening, full 3/4" thickness for added stability.

Cons: Flush joint detail can show movement as wood expands and contracts.

CLEAR VG PROFILES

K46V

1 x 6 Red Cedar Clear Hrt VG TG
3/4" Net x 5-1/4" Face



Pros: Modern square edge profile, hidden blind nail fastening, full 3/4" thick for added stability.

Cons: Wider flush joint detail can show movement as wood expands and contracts.

CLEAR VG PROFILES

K73

1 x 4 Red Cedar Clear Hrt VG TG
FINELINE REVEAL
3/4" Net x 3-1/4" Face



Pros: Modern square edge reveal profile, joint gap helps hide expansion and contraction, full 3/4" thickness, 3-1/4" face for maximum stability.

Cons: If not face nailed, nailing, or fastening, in the channel requires extra care as water can collect around the fastener.

CLEAR VG PROFILES

K75

1 x 6 Red Cedar Clear Hrt VG TG
"FINELINE REVEAL"
3/4" Net x 5-1/4" Face



Pros: Modern square edge reveal profile, joint gap helps hide expansion and contraction, full 3/4" thick for added stability.

Cons: If not face nailed, nailing, or fastening, in the channel requires extra care as water can collect around the fastener

CLEAR VG PROFILES

K50V

3/4 x 6 Red Cedar Clear VG Rabbeted Bevel Siding
1 1/16" x 5-1/8" Face

Resawn Face



Pros: Traditional profile excellent for wide range of designs, resawn face holds finish well, simple installation.

Cons: Requires face nail (*one*).

TRADITIONAL VICTORIAN "RUSTIC" PROFILES

These profiles have been used to side San Francisco homes for well over a century where they were usually primed and painted. We keep these profiles in stock for jobs where solid stock is required or where a natural finish is desired. *(Victorian profiles are available in 11/16" preprimed fingerjoint stock)*

K4-8C

1 x 8 Red Cedar Clear A VG TG Shiplap
"V" RUSTIC
3/4" Net x 7" Face

V Rustic Shiplap



Pros: Proven stable siding, wide 1/2" shiplap, ideal for paint or stain.
(Note same profile available in 11/16" preprimed fingerjoint stock).

Cons: Face installation with 2 nails per face, limited availability.

TRADITIONAL VICTORIAN "RUSTIC" PROFILES

K1-10C

1 x 10 Red Cedar Clear A VG TG Shiplap
"COVE" RUSTIC
3/4" Net x 9" Face

Cove Rustic Shiplap



Pros: Proven stable siding, wide 1/2" shiplap, ideal for paint or stain.
(Note same profile available in 11/16" preprimed fingerjoint stock).

Cons: Face installation with 2 nails per face, limited availability.

CLEAR VG PROFILES

J6C

9/16 x 4 Red Cedar Clear A VG TG

BEADED TG

9/16" Net x 3-1/8" Face

Bead Face



Pros: Traditional Victorian "Bead" profile for wainscott, paneling and soffit. Thin profile suitable for trim and interior uses.

Cons: Use is limited to interior paneling and protected exterior applications. Not suitable for siding.

TRADITIONAL VICTORIAN "RUSTIC" PROFILES

K4-10C

1 x 10 Red Cedar Clear A VG TG Shiplap
"BEVEL CHANNEL" RUSTIC
3/4" Net x 9" Face

Channel Rustic Shiplap



Pros: Proven stable siding, wide 1/2" shiplap, ideal for paint or stain.
(Note same profile available in 11/16" preprimed fingerjoint stock).

Cons: Face installation with 2 nails, limited availability.

CLEAR VG PROFILES

J6C

9/16 x 4 Red Cedar Clear A VG TG

BEADED TG

9/16" Net x 3-1/8" Face

Smooth V Back



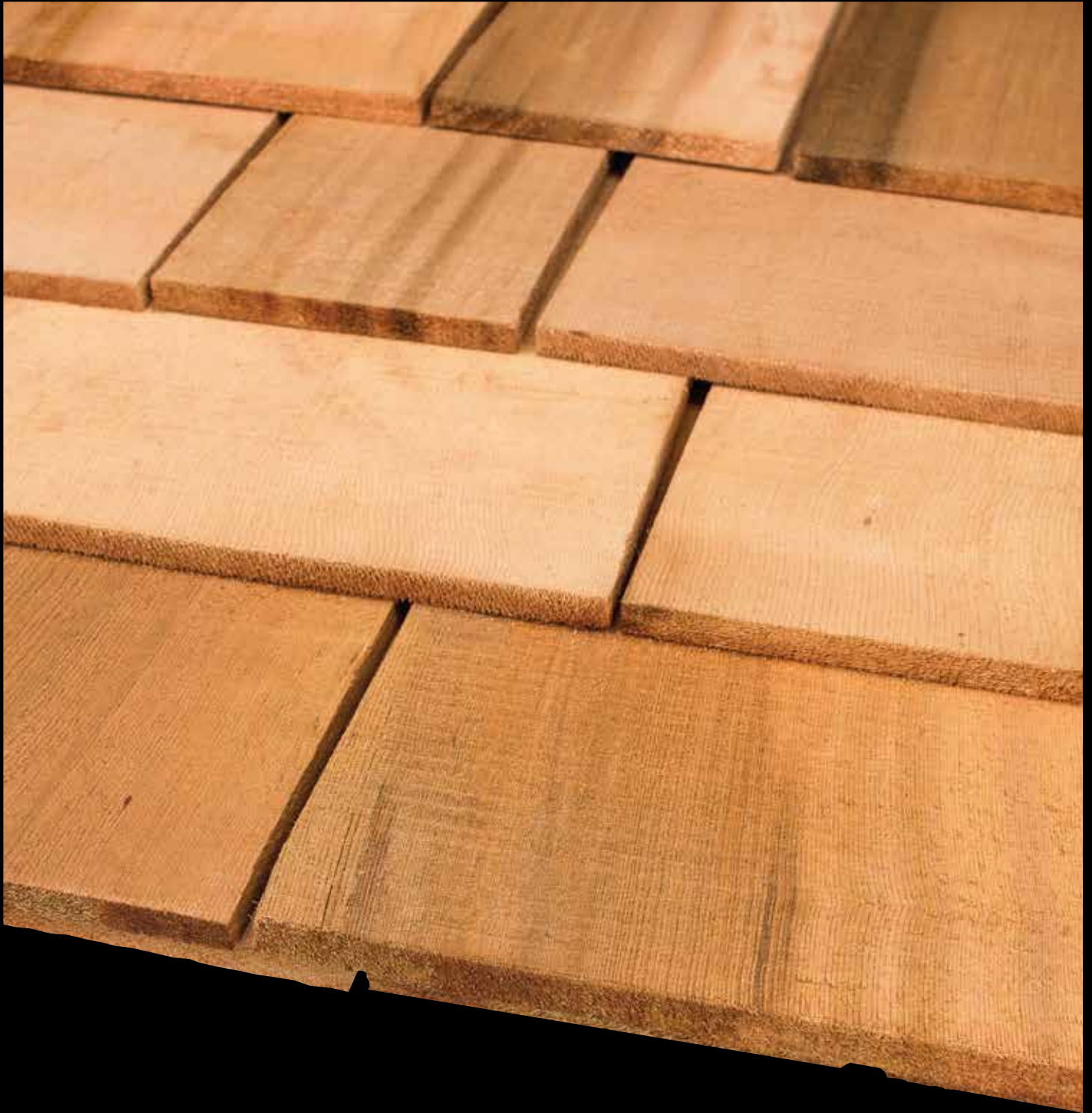
Pros: Traditional "V" joint T&G for paneling and soffit. Thin profile suitable for wide range of trim and interior uses.

Cons: Use is limited to interior paneling and protected exterior applications. Not suitable for siding.

RED CEDAR SHINGLE

KS20

16" (FiveX) #1 Red Cedar VG Sidewall Shingles
2/5" Butt / 5" Exposed Face



Pros: Durable 100% VG heartwood, layered application handles a wide range of difficult weather conditions while hiding fasteners. Low material cost, good finish retention once dry, & relatively low maintenance. Wider range of options available by special order.

Cons: Higher initial installation cost, unseasoned.

TIGHT KNOT PROFILES

K49

1 x 6 Red Cedar Tight Knot Bevel Rainscreen
11/16" Net x 5" Face

Smooth Face



Pros: Good length availability, reasonably priced, natural appearance, bevel profile provides privacy.

Cons: Designed for open joint applications, best used for fencing and screens, requires face nailing. If used as siding great care must be taken with weatherproofing details through the use of furring strips, pressure equalization, and a permanent UV proof weather barrier behind the wood.

TIGHT KNOT PROFILES

K49

1 x 6 Red Cedar Tight Knot Bevel Rainscreen
1 1/16" Net x 5" Face

Resawn Back



Pros: Good length availability, reasonably priced, natural appearance, bevel profile provides privacy. Resawn face offers good finish retention.

Cons: Designed for open joint applications, best used for fencing and screens, requires face nailing. If used as siding great care must be taken with weatherproofing details through the use of furring strips, pressure equalization, and a permanent UV proof weather barrier behind the wood.

TIGHT KNOT PROFILES

K57

1X6 Red Cedar Elite Knotty T&G V
11/16" Net x 5" Face

Smooth Face



Pros: Good length availability, reasonably priced, natural appearance. Resawn face holds and retains finish better than the smooth face.

Cons: Not as stable as VG, some cupping, best used for soffits, paneling and fencing. Siding use should be limited to well protected or low exposure applications. Some chance of grain raise.

TIGHT KNOT PROFILES

K57

1X6 Red Cedar Elite Knotty T&G V
1 1/16" Net x 5" Face

Resawn Back



Pros: Good length availability, reasonably priced, natural appearance. Resawn face holds and retains finish better than the smooth face.

Cons: Not as stable as VG, some cupping, best used for soffits, paneling and fencing. Siding use should be limited to well protected or low exposure applications.

CLEAR VG YELLOW CEDAR PROFILE

J3C

1 x 4 Alaskan Yellow Cedar Clear VG TG
3/4" Net x 3-1/8" Face

Smooth SE Face



Pros: (Alaskan Yellow Cedar is a different species than Western Red Cedar. It is characterized by fine texture, smooth grain and uniform light color). Ideal for coastal application, weathered finishes, or where a light color is desired.

Cons: Not suited for hot, dry applications due to chance of face checking, can be difficult to finish and requires special care. Extractive bleeding can cause spotting.

INSTALLATION THOUGHTS

Carefully following sound “best practices” will help wood provide proper lifelong service. There is a wealth of information available through the Western Red Cedar Lumber Association (WRCLA) and their website (realcedar.com). The WRCLA's 35 page booklet, *How to Install Western Red Cedar Siding*, is a great starting point and is available online.

There are a few “best practice” points that stand out. Only stainless steel or quality hot dipped galvanized fasteners should be used. Fasteners should be driven directly into studs or blocking with a minimum penetration of 1-1/2". All end cuts should be properly sealed. Careful use of proper construction methods and detail (roof overhangs; roof edge flashing; head sill and jamb flashing around doors, windows and all openings; weatherproofing external and internal siding corners and butt joints; effective vapor, drainage barriers; gutters and downspouts) that protect the siding and eliminate the possibility of water entrapment are critical and should be addressed in any plan. In addition, wood siding should be back sealed or primed and all end cuts properly sealed prior to installation. Please note that these are general guidelines. However, severe local climate conditions such as extreme heat and dryness; high winds, seacoast exposure; and area with wide weather swings may require additional provisions. Building code requirements always apply.

There is increasing evidence suggesting that providing a “drainage plain” behind the siding is one of the most effective ways of improving the performance of both the wood itself and the applied finish. This space behind the siding allows the wood to breath, provides a capillary break which helps equalize the pressure between the front and rear of the siding thus limiting water intrusion, allows any water that does penetrate the siding to drain, and enhances the entire wall assemblies ability to dry itself out. There are a number of products on the market that can be used to achieve a good drainage plain ranging from 1/4" to a full 3/4" including breather meshes (Benjamin Obdyke Home Slicker®), plastic lath (Cor A Vent Sturdi-Strips™ & Siding Vents™), and furring strips (1x Red Cedar or 1/2"x 2"x 8' Treated Plywood Strips). These products are used in addition to the water resistive barrier such as 2 ply felt. Typically, the wall is vented top and bottom with an insect proof mesh to provide maximum air flow. While not as dramatic as a full rain screen, there are some hybrid drainable house wraps such as HydroGap® that provide a 1mm drainage gap that helps drain water from a wall much better than standard house wrap.

Treated Plywood Furring Strips Over 2 Ply Felt Paper



Creates 1/2" (15/32" net) drainage plane

Cor A Vent Plastic Furring Strips Over 2 Ply Felt Paper



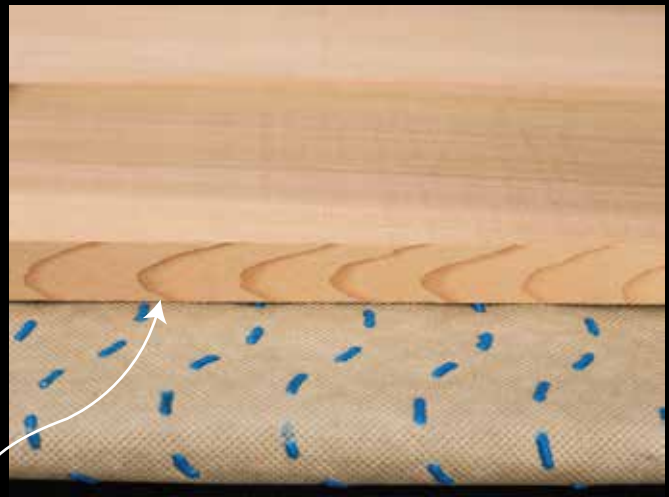
Creates 7/16" drainage plane

Benjamin Obdyke Home Slicker Over 2 Ply Felt Paper



Creates 1/4" drainage plane

Benjamin Obdyke Hydro Gap



Creates 1mm drainage plane

FINISHING

Red Cedar is open to a wide range of finishes. The WRCLA again offers a good starting point with a 24 page booklet, How to Finish Western Red Cedar, available on their website.

The high grades in this catalog are typically used in designs where a semi-transparent finish is used to highlight rather than cover up the underlying wood fiber. While there are innumerable coating systems on the market, we have found Böhme finishes providing the best overall performance both in the field and our stock yard displays. Their low VOC unique

hydro-oil finishes offer superior performance to the best oil finishes while offering water clean up and an easy recoat system. It is a simple system with a base coat of Hydro Oil Primer followed by 2 coats of matte Ligno Siding Stain. Bomol is a semi-gloss finish that is best used on doors and windows but can be used on siding. Aging Stain provides an instant aged, 'weathered gray' appearance and stabilizes the wood.



BOMOL STAIN

For exterior wood trim, doors, windows, and siding. Use on new and prestained wood.

- Protects wood from damaging UV rays
- Paint-like surface build with the penetration of a stain
- Dries to a semi-gloss sheen



LIGNO STAIN

For all exterior wood applications except decks and stairs. Use on new or properly prepared finished wood.

- Deep Penetration
- Excellent flow and uniform color
- No film build makes it the safest choice for siding



HYDRO-OIL PRIMER

Use on untreated or bare exterior wood to stabilize the wood structure. Ideal for cedar applications.

- Reduces the effect of colored water marks
- Provides for a more even topcoat application
- Ideal for all species of cedar / hardwood
- Available in Clear, Ipe' (Walnut) & Palisander shades

BÖHME COLORS

LIGNO

*Clear

**Due to lack of UV protection Clear is not recommended as a standalone exterior finish.*

PC2/.50

Natural

Red Cedar

Mill Cedar

Butternut

Walnut

Palisander

Cape Cod

BOMOL

*Clear

**Due to lack of UV protection Clear is not recommended as a standalone exterior finish.*

PC2/.50

Natural

Red Cedar

Mill Cedar

Butternut

Walnut

Palisander

TRIM LUMBER

We keep a complete line of 1x and 2x Western Red Cedar Clear vertical grain S4S to accompany the siding and paneling profiles in this catalog. The wood is run from extra thick stock. The 1x material is dressed at a full 13/16 of an inch and the 2x is run at 1-5/8 inch thickness to provide for maximum performance in the field.

STOCK SIZES

1 x 2 • 1 x 4 • 1 x 6 • 1 x 8 • 1 x 10 • 1 x 12

5/4 x 4 • 5/4 x 6 (*1" net thickness*)

2 x 2 • 2 x 4 • 2 x 6 • 2 x 8 • 2 x 10 • 2 x 12



FASTENERS

It is important to use the right fastener. Only quality hot dipped galvanized or stainless steel should be used. The fastener must be driven into the framing and have sufficient 'bite' to hold the siding properly in place. Hand driven "split less" ring shank siding nails are the safest choice. The use of pneumatic guns can be problematic for blind nailing tongue and groove profiles. If a pneumatic nailer must be used, reduce the air pressure and hand set the nails flush with a punch. (While thin gauge headless 15 and 16 gauge stainless pins fit the profile and are easily applied they don't have sufficient holding power for many situations). GRK TrimFin stainless steel screws have also been used successfully for blind fastening. Predrilling is always the best practice.



GRK TriFin Finishing Screw
1 1/2" • 2" • 2 1/2" • 3 1/8"



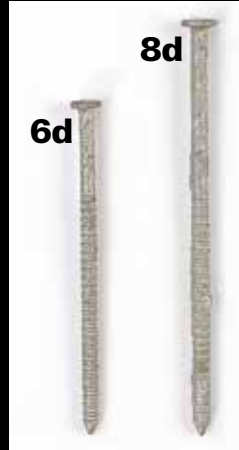
Stainless Collated Siding Nail
2 1/2" (Face Nail Application)



Screw Pilot Drill and Countersink.



4d 6d
Stainless Shake Nail
1 1/2" • 2"



6d 8d
MAZE HDG
Double Dipped Slitless Siding Nail
2" • 2 1/2"



Stainless Blunt Point Siding Nail
2" • 2 1/2" • 3"

BLIND FASTENING EXAMPLE



Siding Nail

TrimFin Screw
(Predrilled Hole)





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