



VEDREX

Installation & Maintenance Guide



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Section 1:

Product Information

VEDREX™ is a premium extruded aluminum cladding system designed for modern architectural applications. Engineered for durability, ease of installation, and low maintenance, VEDREX offers concealed fasteners, compatibility with rainscreen assemblies, and high-performance finishes.

Available in realistic woodgrains and solid colours, **VEDREX** profiles can be installed horizontally, vertically, or diagonally. The product resists fire, fading, and corrosion, delivering long-term value and curb appeal across residential, commercial, and institutional projects.



System Key Features

- Architectural-grade extruded aluminum
- Rear-ventilated, rainscreen-compatible system
- Non-combustible and fade-resistant
- Woodgrain sublimation with high-definition realism
- Concealed fasteners and integrated trim options
- Available in 4" and 6" plank widths
- 15-Year Finish Warranty

The edge of surface excellence

Section 2: Before You Begin

2.1 Tools & Safety

A successful **VEDREX** installation starts with proper preparation. Ensure your team is equipped with the right tools and safety protocols for a clean, precise, and compliant project.

2.1.1 Personal Protective Equipment (PPE):

- Safety glasses and hearing protection
- Cut-resistant gloves and a dust mask
- Hard hat, steel-toe boots, and safety vest
- Fall protection when working at elevation
- First aid kit on site

Tip: Review safety standards and local jobsite requirements before work begins. More information about PPE is available at: www.ihssa.ca



2.1.2 Essential Tools:

- Mitre and small table saw with 80T non-ferrous metal cutting blade
- Tape measure, chalk line, level, square
- Cordless drill or impact driver with bits
- Hole saws for pot lights up to 4"
- Utility knife, tin snips, rubber mallet or dead-blow hammer
- Workbench or sawhorses for cutting support
- Laser level (optional for advanced layout)

Tip: Always make sure that the tools are calibrated and in safe working order.

Keep your work area clean and free from unnecessary obstructions or tripping hazards.

Use the right tool for the job.



2.2 Product Inspection & Handling

Every **VEDREX** system is designed to meet high-performance standards. Ensure it arrives and stays that way until it's on the wall.

2.2.1 Inspection Checklist:

- Confirm product type, profile, finish, and quantity match your order
- Inspect all planks, trims, and accessories for surface damage, colour variation, or missing parts
- Do not install any product that appears damaged or defective. Contact your distributor or VEDREX Support before proceeding

2.2.2 Handling Guidelines:

- Always carry all profiles in a vertical position to prevent scratching the finished faces
- Do not slide profiles when removing from their package
- Do not slide or drag trims or planks on the ground or against any abrasive surfaces
- Use two people for carrying long profiles or trims to avoid personal injuries or damage to the product

2.3 Storage & Substrate Preparation

Proper storage and wall preparation are necessary to ensure long-term cladding performance and warranty compliance.

2.3.1 Storage Recommendations:

- Store flat and off the ground, ideally indoors or under cover
- If outdoors, store the product packages on pallets and cover with a breathable plastic tarp to keep them dry
- Do not stack other material on top of trims or plank packages
- Keep aluminum surfaces away from abrasive materials and construction debris
- Store away from impact zones or high-traffic construction activity

2.3.2 Substrate Requirements:

- Install over flat, plumb, and structurally sound framing
- Acceptable substrates: exterior-grade plywood, steel or wood studs, or furring strips
- Do not fasten directly to insulation and use proper furring systems where needed
- Install code-compliant weather-resistant barrier and flashing
- Rainscreen gap requirements vary by jurisdiction (refer to the local building code)

Reminder: Improper preparation may compromise installation performance and void product warranties.

Section 3: Installation Overview and Tips

3.1 System Orientation

- Horizontal, vertical or diagonal installing orientation with standard plank length of 19' is permitted

3.2 Expansion/Contraction

- Aluminum profiles expand and contract ~ 3/16" (5 mm) on a 19' (5.8 m) length when exposed to a temperature change of 30°C (54°F)
- Maintain expansion gaps according to the Expansion and Contraction Chart
- Planks should be centred within the trims to allow equal movement at each end
- Do not fasten the profiles, corners or termination trim profiles together



3.2 Fastening & Clips

VEDREX supplies specialized clips designed for securing profiles to wall or ceiling substrates. These clips ensure the required ventilation gap behind the system and accommodate thermal expansion and contraction, contributing to long-term performance and durability.

VEDREX installation systems can absorb construction tolerances or framing discrepancies by shimming.

3.3.1 Fastener Type:

- Wood substrate: #8-10 x 1-1/2" corrosion resistance screws
- Metal substrate: #8-10 x 3/4" corrosion resistance self-drilling screws

3.3.2 Clip Spacing:

- Standard: 32" O.C.
- High wind zones: 16" O.C.
- Clips are to be staggered from row to row so they do not line up
- Do not overtighten screws on mid-field clips

3.4 Furring Strips

- Furring strips recommended every 12"–16" O.C.

3.5 Trims and Caps

- Do not overlap trims
- Insert finishing top caps after plank installation

Section 4:

Component Installation Sequence

VEDREX profiles are designed with versatility in mind. They can be installed in a variety of configurations to suit different design visions and functional needs:

- Cladding / Siding Applications:
Horizontal, Vertical, or Diagonal orientations
- Soffit / Ceiling Applications:
Perpendicular, Parallel, or Diagonal to the façade

This flexibility allows architects and installers to create clean, modern lines or dynamic patterns while maintaining the system's performance and ease of installation.

Proper installation is essential to maximize the performance and appearance of VEDREX products. Following the steps outlined in this guide will help ensure:

- A secure and long-lasting installation
- Compliance with building codes and best practices
- A professional finish that highlights the versatility of aluminum siding

4.1 VEDREX Siding/Cladding Installation

4.1.1 Installation in HORIZONTAL Orientation:

Step 1: Corners

- Install Inside/Outside Corner trims from bottom to top
- Fasten every 16" O.C. using #8-10 stainless pan head screws

Step 2: Starter Strip and/or J-trims

- Install the starter strip or the pre-finished J-trim at the base of the wall
- Fasten at 16" O.C., and max 2" from ends using #8-10 stainless pan head screws and VEDREX clips (for proper ventilation)

Step 3: J, F or H trims

- Install J or backplate piece of a 2-piece F trim around doors, windows, and end walls
- Install intermediate H trim backplate piece if required
- Fasten every 16" O.C. using #8-10 stainless pan head screws
- Notch flanges at trim intersections as needed

Step 4: Plank Installation

- Slide the plank into the starter track and the corner trim, considering the required expansion/contraction gap
- Snap into clip and screw fasteners (never hard fasten at ends)
- Check every 2-3 planks for level/plumb

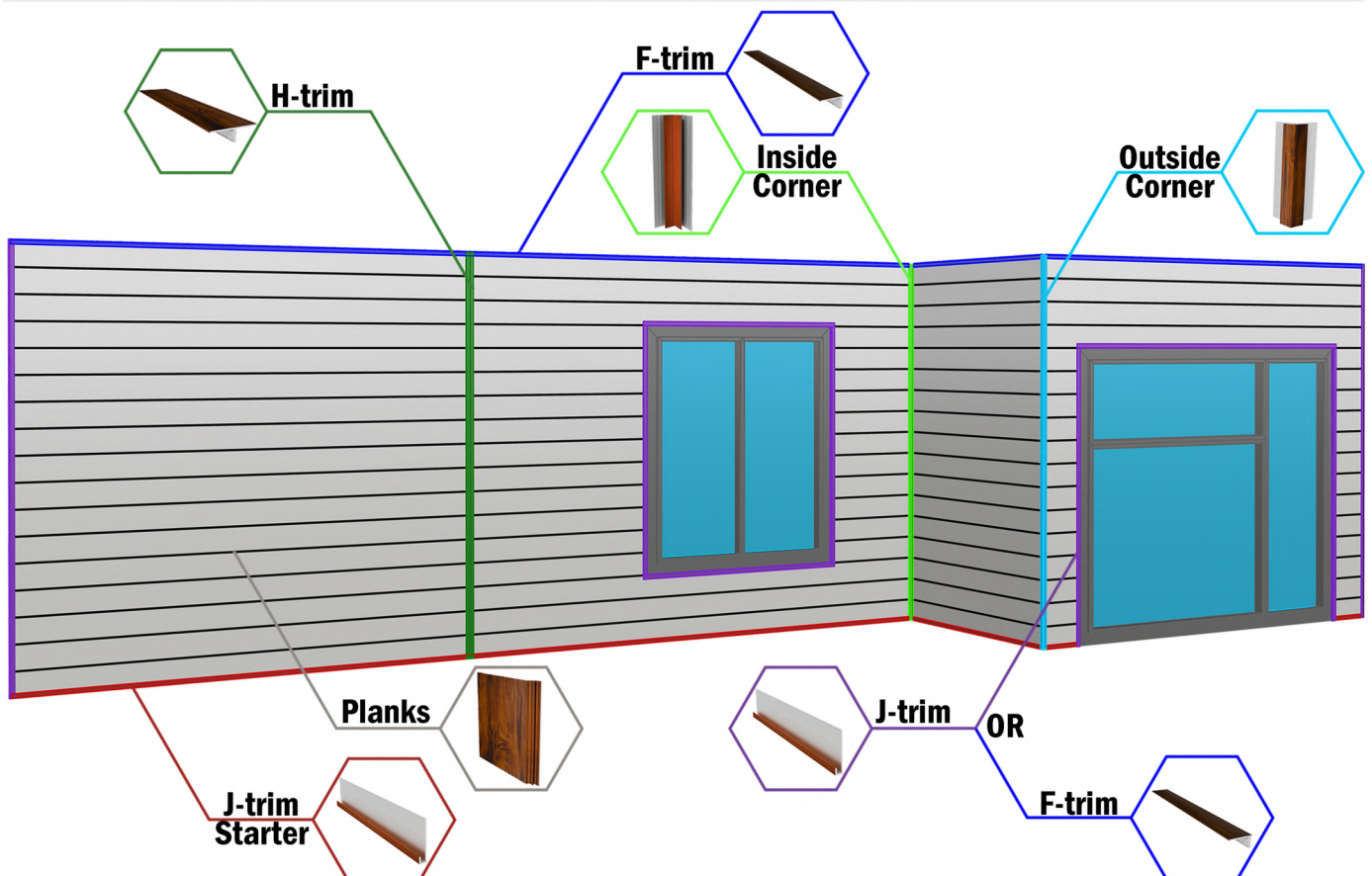
Step 5: Butt Joints

- Use a plank connector, or easily use two side-by-side clips
- Stagger joints and maintain expansion clearance at the ends

TIP: For a more durable and cleaner installation, we recommend using H-trims where the span exceeds the standard plank length.

Step 6: Final Plank and Termination

- Install top J-Trim if needed
- Rip the final plank to fit and install it in its place
- Tap in the F and/or H trim top cap with a rubber mallet or hammer



4.1.2 Installation in VERTICAL Orientation:

Step 1: Corners

- Install Inside/Outside Corner trims from bottom to top
- Fasten every 16" O.C. using #8-10 stainless pan head screws

Step 2: J or F termination trims

- Install the pre-finished J-trim or the F-trim backplate at the base of the wall

Step 3: J, F or H trims

- Install J or backplate piece of a 2-piece F trim around doors, windows, end walls, and below the soffit level
- Install intermediate H trim backplate piece horizontally if required
- Fasten every 16" O.C. using #8-10 stainless pan head screws
- Notch flanges at trim intersections as needed

Step 4: Back-to-Back starter strips

- Used for symmetrical vertical installations, center-mounted

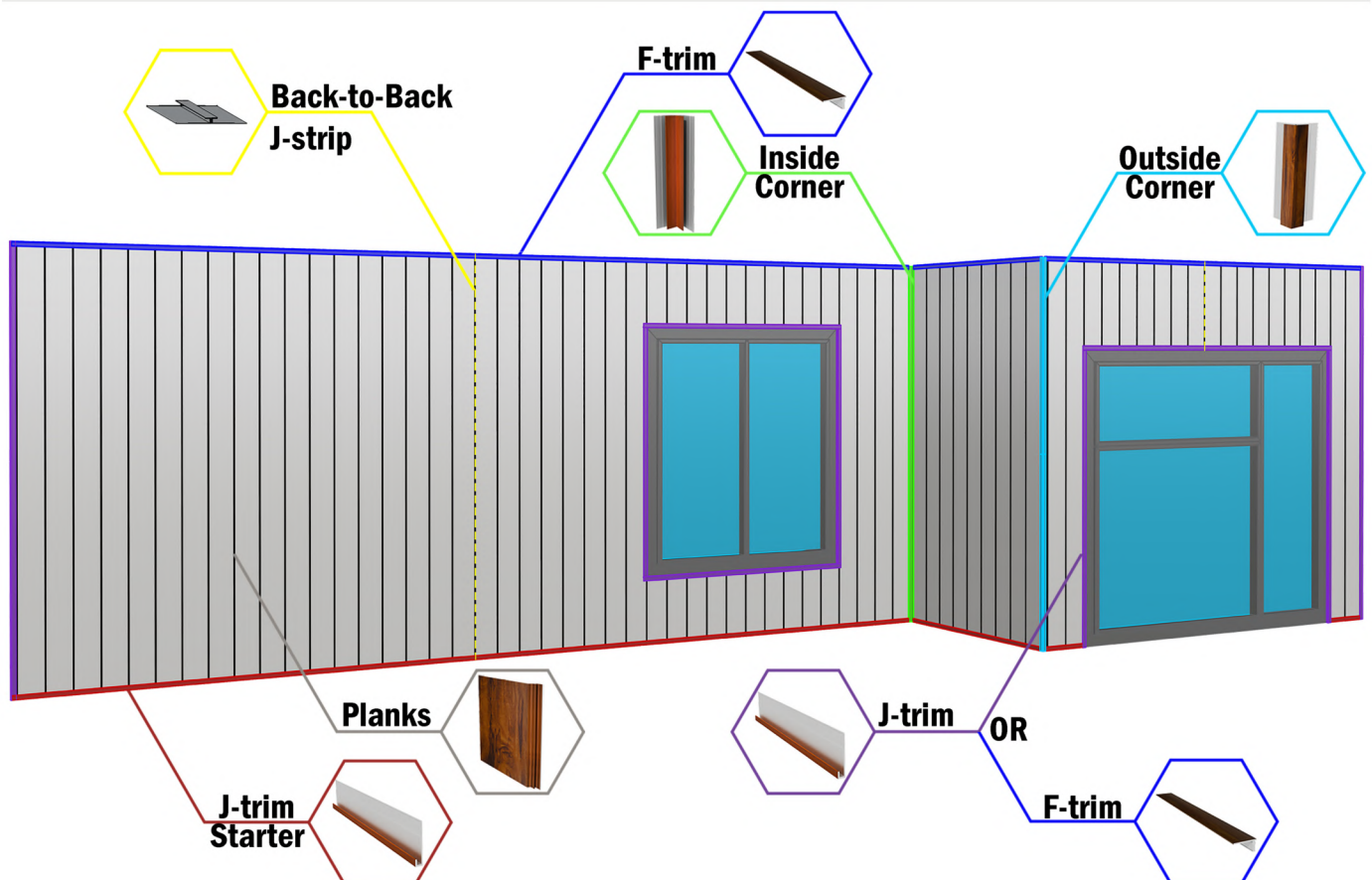


Step 5: Plank Installation

- Slide the plank into the starter strip clips and place it into the bottom and top trim (built outward in either direction), considering the required expansion/contraction gap
- Snap into clip or screw fasten midpoint (never hard fasten at ends)

Step 6: Final Plank and Termination

- Rip the final plank to fit
- Install J-Trim as a termination piece if needed
- Tap in the F and/or H trim top cap with a rubber mallet or hammer

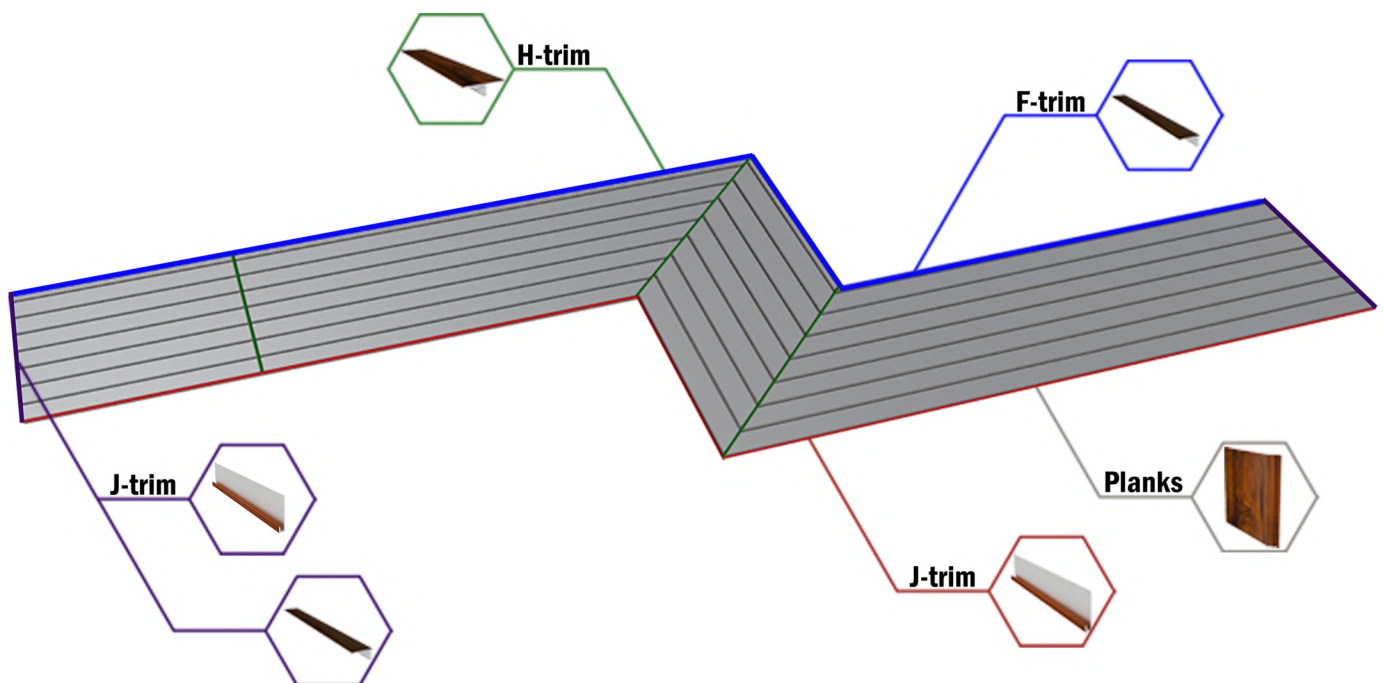


4.2 VEDREX Soffit/Ceiling Installation

- Follow the previously discussed steps to install all the starter strips, J-trim and corner pieces backplates
- Use ventilated perforated planks while maintaining the minimum code-required for net vented area (NVA)

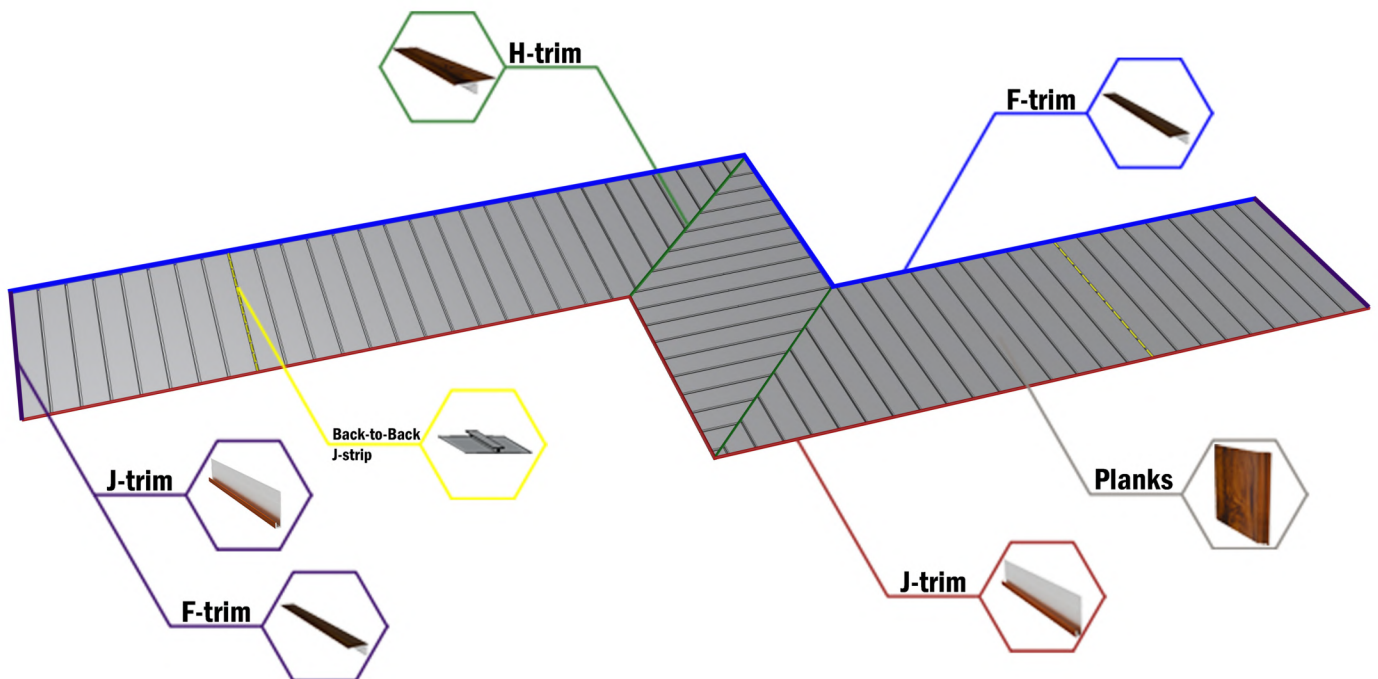
4.2.1 Installation in a PARALLEL Orientation to Facade:

- Start at the fascia and continue toward the soffit to the end
- Rip the final plank if necessary
- Use J or F trim to cover the last plank



4.2.2 Installation in a PREPENDICULAR Orientation to Facade:

- Back-to-Back J-Starter strips to be centred at the soffit area
- Slide the plank into the starter strip clips, ensuring it fits securely within the trims while maintaining the necessary expansion and contraction gap.
- Continue installing planks outward towards the soffit sides/corners
- Use J or F trim to cover the last planks



Section 5: Care and Maintenance

While the system is low-maintenance, periodic care will help preserve its appearance and extend its service life.

Simple practices such as routine cleaning and inspection will keep the surface looking its best for years to come.

By following these care and maintenance instructions, you can ensure that your VEDREX installation continues to deliver The Edge of Surface Excellence with lasting beauty and performance.

- Wash with a soft brush, water using a garden hose and (if needed) a mild detergent with a pH of 6-7
- Avoid using high-pressure washers, stiff-bristle brushes, and abrasive cleaners
- Use a touch-up pen (match finish) on cut edges if needed

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