

Ridgewood D-5™/Ultra Plank™

Pre-Finished Lap Siding

CCMC NO. 07893L

CPA Certification —
ANSI/AHA A135.6

LIMITED WARRANTIES
Finish: 15 years Board: 25 years



Important

Read carefully before starting installation. COVERAGE: 1,000 sq. ft. of wall surface requires approximately 1,100 sq. ft. of siding (does not include cutting waste).

A) Introduction

These instructions are in accordance with the standards of the national building code of Canada, section 9.27 and are intended to cover the normal building practices encountered in Canada and the United States.

In coastal provinces (NFLD, NS, NB, PEI, BC) CANEXEL SIDINGS MUST BE APPLIED ON FURRING STRIPS ("STRAPPING"). We recommend the use of a humidistat-controlled mechanical ventilation system (HRV), as specified in the N.B.C., in conjunction with strapping. This represents good building practice. Strapping is also required by certain manufacturers of breather-type building paper.

Installation of the siding over furring strips allows ventilation behind the siding, thus reducing the damage that could occur should there be moisture accumulation in the walls due to exfiltration and infiltration. Automatically controlled mechanical ventilation also greatly reduces the risk of condensation moisture problems occurring in the walls.

Canadian Construction Materials Centre (CCMC) recommends that ALL types of horizontal, vertical, and panel sidings for use on NHA housing in the Atlantic Provinces be installed over furring strips.

B) General Instructions

1. MATERIAL STORAGE

Do not store Canexel Siding in heated buildings. Storage in heated buildings will dry out the siding and make it susceptible to buckling.

The siding must be kept on LP supplied pallets so that it remains flat, and must be covered with a water-resistant shroud provided by Louisiana-Pacific Canada Limited.

2. WALL CONSTRUCTION

Canexel Siding may be installed over sheathed or unsheathed walls (single-skin application) and NAILED INTO STUDS SPACED NOT MORE THAN 16" (400 mm) O.C. Use a breather-type paper between the siding and the studs or sheathing.

ALLOW AT LEAST 8" (200 mm) BETWEEN THE BOTTOM EDGE OF THE SIDING AND THE GROUND. SIDING SHOULD NOT COME IN DIRECT CONTACT WITH CONCRETE. These measures will reduce moisture absorption by the siding.

3. INSULATED SHEATHINGS

Canexel Sidings may be installed over foam plastic or fibreglass sheathings. The following precautions must be followed:

- Adequate bracing of the wall in accordance with the National Building Code is required.
- For foam plastic sheathing under 1" thick, siding can be nailed directly, compensating for nail length.
- For foam plastic sheathing 1" or thicker or for fibreglass sheathings, strapping must be installed to provide a solid, level nailing base.

Louisiana-Pacific Canada Limited will assume no responsibility for problems related to moisture accumulation within the walls or to crushing of the sheathing during or after application of the siding.

4. AIR/VAPOUR BARRIER

A TYPE 1 air/vapour barrier (e.g. polyethylene or foil) must be installed on the WARM (INSIDE) surface of the wall, and extend behind partition walls to form continuous protection of exterior walls. This is absolutely necessary to prevent condensation from damaging the components of the wall system. Special care must be taken to completely seal all openings for electrical boxes, conduits, pipes, wiring, and joints or tears in the air/vapour barrier to prevent moisture from entering and damaging the wall cavity.

Installation of an air/vapour barrier is also required in all uninsulated buildings where the average temperature is 2°C (35°F) or below in January.

5. BASEMENTS AND CRAWL SPACES

Dirt or gravel floors in basements or crawl spaces are major sources of moisture. It is therefore essential that such floors be sealed (by a layer of concrete, asphalt, polyethylene, etc.) to minimize the risk of moisture damage to the structure and siding.

6. MOISTURE FROM NEW CONSTRUCTION

New construction produces a lot of moisture as the concrete, lumber and drywall dry out. In colder weather it is recommended that windows be left partially open to dissipate this surge of moisture.

7. FURRING STRIPS (STRAPPING)

See Section 'C' Detailed Installation Instructions. Furring strip use will vary with the various orientations of the siding (horizontal, vertical or diagonal)

8. WINDOW AND DOOR TREATMENT

Space nails 8" (200 mm) O.C. along edge of siding under windows: shim where necessary. DO NOT FORCE OR SPRING SIDING INTO PLACE AS THIS WILL CAUSE BUCKLING.

ALWAYS LEAVE A 1/8" (3 mm) SPACE WHEREVER SIDING BUTTS AGAINST TRIM OR OTHER MATERIALS (to allow for expansion). USE J-MOULD OR CAULK.

9. RE-SIDING OF EXISTING BUILDINGS

The new siding MUST be installed on furring strips (strapping) as the original air/vapour barrier, if any, will probably not meet modern-day requirements.

The old siding should be removed if it is not straight or cannot provide a sound nailing base for the furring strips. If necessary, shims should be used to "true up" the furring.

10. MASONRY CONSTRUCTION

Where siding is applied over masonry construction, the wall must be furred out with framing spaced 16" (400 mm) O.C. and of adequate thickness to accept the full length of the recommended nail. If the wall is insulated, a continuous air/vapour barrier must be installed between the framing and the masonry. Any insulation added must have an R factor equal to, or preferably greater than the overall R factor of the wall being covered.

11. CUTTING

Use a fine-toothed saw or a power saw with a combination blade. Ensure that the cutting action is toward, or into the finished side of the product.

12. ACCESSORIES

A complete range of accessories is available from Louisiana-Pacific including:

- Colour-matched caulking and touch-up paint or stain
- Colour-matched mouldings for joints, inside and outside corners, J-mouldings, drip caps and Z flashings
- Colour-matched nails
- Starter strips

13. NAILS

2" (50 mm) spiral colour-matched nails are available. Nail length will be determined by wall construction and in all cases must allow a minimum of 1-1/4" (32 mm) penetration into solid backing or 1-1/8" (28 mm) if spiral nails are used. THERE MUST NOT BE MORE THAN 16" (400 mm) SPACING BETWEEN NAILS (except for diagonal applications, C-3 below). Begin nailing at one end of the siding and work toward the other end to prevent rippling. Ensure that strips are aligned at corners of the building. Do not countersink nail heads, paying particular attention when using an air nailing gun.

C) Detailed Installation Instructions

Ridgewood D-5 is typically applied horizontally, Ultraplank is typically applied vertically and either profile may be applied diagonally over sheathed or unsheathed walls. Slightly different techniques for proper application are required for each type of use. Be sure to note the correct method for each type of installation.

1. HORIZONTAL APPLICATION: RIDGEWOOD D-5 AND ULTRAPLANK

Level and install metal starter strips along bottom edge of sheathing or sill plate, or up to 1" (25mm) below these, as required by course layout.

Install first course of siding so that the machined groove on the lower back of the siding fits over the edge of the starter strip. Fasten the siding by nailing into the nailing line (about 1/2" (12mm) from the top edge of siding) at each stud or furring strip located over the stud, leave no more than 16" (400mm) between nails.

Install subsequent courses of siding so that the machined lower edge on the back of the siding fits over the top edge of the previously installed piece of siding.

When furring strips are required they must be installed vertically and nailed into wall studs, 16" (400mm) O.C. over the full height of the wall. Furring strips must not be less than 1/4" (6mm) thick.

To ensure ventilation, both the top and bottom of the space between furring strips must be left open. At the top this gap can be behind the soffit. The opening at the bottom should be open to the outside except for the insect screen. Under and above windows and above doors maintain spacing

of 2" between furring strip and horizontal framing (see diagram).

At the bottom, a short furring strip about 12" (300mm) long should be installed vertically centered between each main furring strip. This will provide better support and will ensure that the insect screen fills the opening.

2. VERTICAL APPLICATION: ULTRAPLANK

Vertical application must be made over horizontal furring strips spaced not more than 16" (400mm) O.C. Furring strips must be a minimum of 1" (nominal) (25 mm) thick and nailed into studs or solid sheathing (lumber or waferboard — not foam, fibreboard, or resilient glass fibre sheathings).

To ensure ventilation when applying siding vertically the horizontal furring strips must have periodic spacing at abutments (see diagram).

When siding is installed vertically the lower end of the laps must be protected from the elements. This can be done in two ways:

- Retouch the exposed ends by using the appropriate Canexel touch-up paint or stain.
- Install a metal drip cap under the lower end and caulk the space between the end of the lap and the drip cap.

3. DIAGONAL APPLICATION: RIDGEWOOD D-5 AND ULTRAPLANK

Diagonal application must be made over horizontal or diagonal furring strips. Nail spacing should not exceed 16" (400mm). Furring should be spaced 12" O.C. (300mm) for horizontal installations of furring or 16" O.C. (400mm) if installed diagonally.

Furring strips must be a minimum of 1" (nominal) (25mm) thick and nailed into solid sheathing (lumber or waferboard — not foam, fiberboard, or resilient glass fiber sheathings).

Nailing should be into the framing stud and also intermediately into the sheathing. Nail both sides of the lap every time the lap crosses a stud or strap. Joints should be cut vertically and occur only at stud/furring locations.

When siding is installed diagonally the lower end of the laps must be protected from the elements. This can be done in two ways:

- Retouch the exposed ends by using the appropriate Canexel touch-up paint or stain.
- Install a metal drip cap under the lower end and caulk the space between the end of the lap and the drip cap.

4. THE FOLLOWING APPLIES TO ALL THREE TYPES OF INSTALLATION

a) JOINTS: The vertical joint between adjacent siding pieces must be located over the middle of a stud or furring strip located over a stud. Leave a 3/16" (5 mm) to 1/4" (6 mm) gap between siding pieces and nail into the stud or furring strip located over a stud. Nail on each side joint spacing at the top nailing line.

For Ridgewood D-5, insert a joint moulding into the gap or caulk; for Ultraplank, use caulking. Canexel Thermoplastic Caulking should be used. When caulking, cut spout at 90° and hold the tube at 90° to the joint and fill from the bottom up leaving a convex bead of caulking. Do not level caulking.

Stagger joints from one course to the next.
b) TWO STORY OR MORE WALLS (New Construction Only): Where siding is applied vertically or diagonally on walls two stories or more, cut the siding at each floor line leaving a 3/16" (5 mm) gap and between the bottom and top pieces. Finish the gap by either i) caulk gap and install trim to cover joint. Caulk the gap between the trim and the siding, or ii) install a Z flashing and caulk the gap between the flashing and the siding.
c) CORNER TREATMENT: Siding should be butted to inside and outside corners leaving a 1/8" (3 mm) gap. When Canexel inside and outside corners are used they should be applied BEFORE the siding; if not, wood trim should be applied over the siding after its installation.

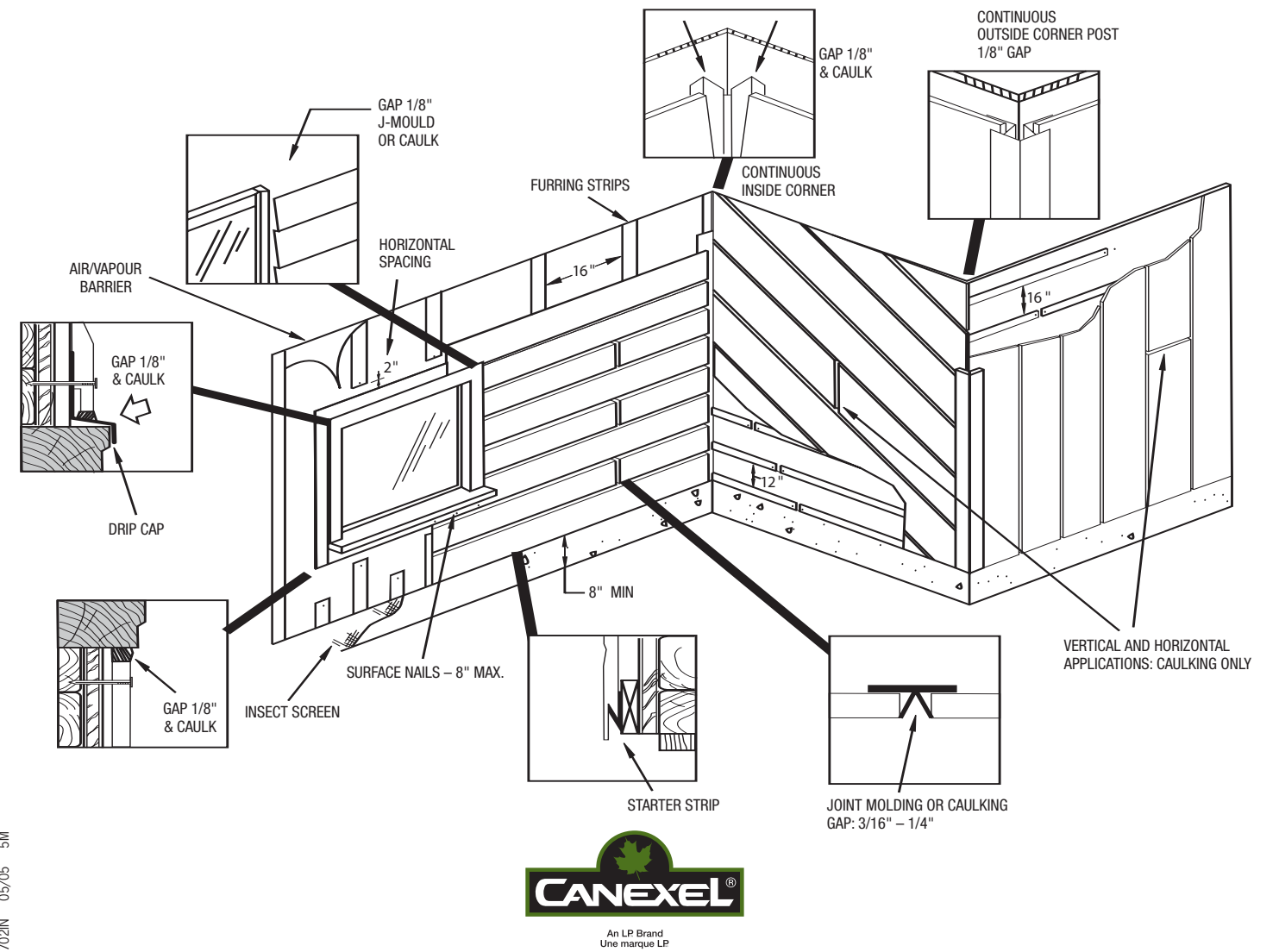
5. TOUCH-UPS

Colour-matched touch-up paint can be used to repair small scratches that may occur during installation.

Apply with a fine brush or point of a cloth to soak in to the raw surface, then immediately rub off the excess with a cloth to prevent any blotchy appearance.

6. CARE OF PRE-FINISHED CANEXEL SIDING

All Canexel Siding finishes are long wearing and require little maintenance. However, for best results, siding MUST be washed annually using non-abrasive household cleaners according to the manufacturer's recommendations. Test cleaners on a small area to ensure they do not damage the finish. Rinse siding surface thoroughly after cleaning.



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