ALUMINUM

urbanix™

collection

Installation Guide

Manufactured in Canada

KAYCAN

urbanix installation guide

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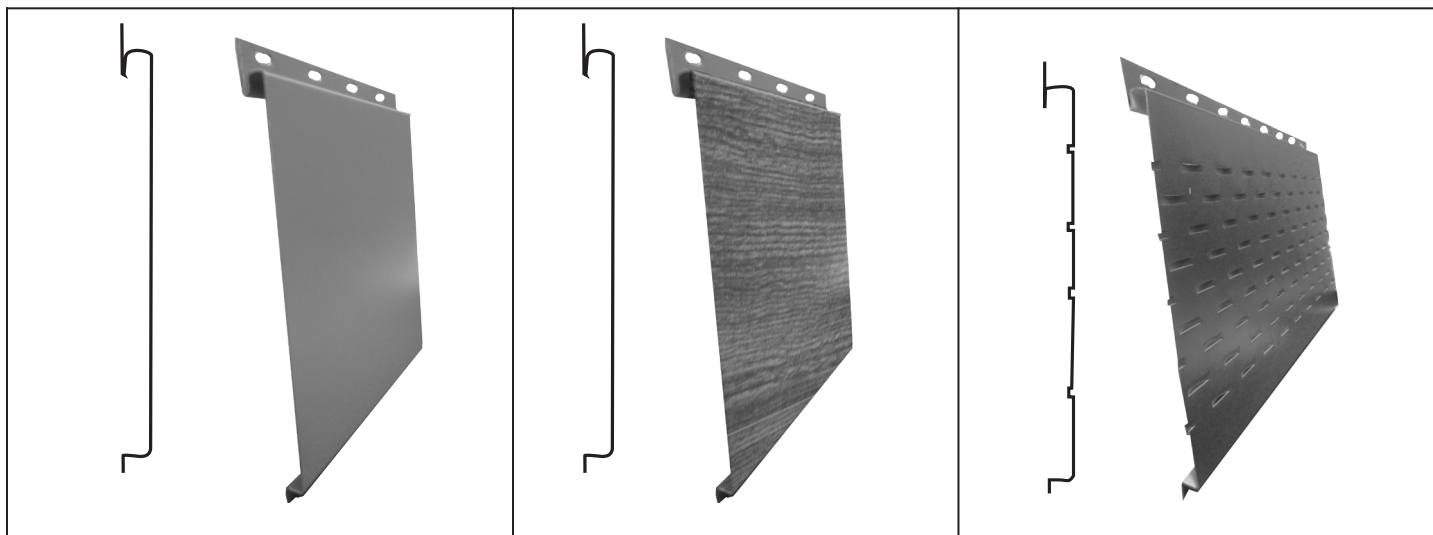# urbanix installation guide

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introduction

Elevate the look of your home with our urbanix **Aluminum Collection.** This sleek style is perfectly suited for a modern contemporary design. Combining high strength durability and clean lines, Urbanix will instantly transform the exterior of any project.

Incorporate it with other materials and finishes to create contrast and add curb appeal, or use it all over for a truly breathtaking effect.

urbanix architectural panels

• Stunning colours, from solid low gloss bold colours to two tone authentic wood tones.

• Contemporary look is exhibited through the unique design.

• Premium 0.027" thickness.

• Manufactured with high tensile strength aluminum.

• Will not rust or rot.

| Solid | Two-Tone | Vented Soffit |

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temperature considerations

While the expansion and contraction coefficient of urbanix panel is extremely low you must follow installation instructions regarding spacing against trims and by allowing the panel some room to float.
Do not overtighten screws or nail too tightly.

code compliance

The applicable Building Code and Fire Code are determined based on the project site location as there can be various code changes per province, city and region. urbanix cannot address all the various codes in this guide. Project Designers, Builders, Architects and Engineers must understand the applicable code and install exterior cladding products within the guidelines of these codes. The requirements of the Local Building Codes must be observed as a minimum requirement of the installation of urbanix.
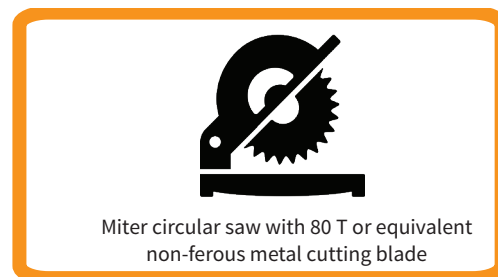
cutting urbanix panels

urbanix can be easily and cleanly cut with a quality non-ferrous 80T tipped saw blade.
 A skill saw, mitre saw or radial arm saw can all be used to create clean cuts of the panel and trims.
Snips can also be used to clean up cuts or to cut lengthwise down the center of a panel.
Always wear proper protective equipment when cutting and ensure the panel and saw are on a level plane.

Miter circular saw with 80 T or equivalent non-ferous metal cutting blade

Tin snips

Utility knife

safety note:
Please wear safety glasses at all times while cutting products.

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installation tips & best practices

• Although highly consistent in colour and pattern, ordering of urbanix two tone panels and trims at the same time will ensure colour continuity throughout the project.

• urbanix is manufactured from aluminum which gives it superior strength and durability, however, urbanix panel can be damaged due to undo care or excessive pressure when fitting or handling.

• During the manufacturing process, the ends of the panels can be slightly compressed. Either cut the tongue of the next panel to be fitted at an angle, or place a flat screwdriver in the compressed end and twist open.

• Overtightening of fastened screws or nailing too tightly as well as not diligently placing the screws/nails in the center of the slots can cause the panel to deflect and possibly show "oil canning ".

• The screw/nail pattern for soffit that runs parallel with the building should be fastened at maximum of 24" on center and siding applications (vertical or horizontal) should have a maximum spacing of 16" on center.

fasteners (nails/screws)

Prior to selecting your fastener for the installation of the Urbanix panel, please refer to your local building code officials for possible requirements. If no special code requirements are needed, Kaycan recommends the following :
 • Screws or Nails.
 • Screws or nails should be sufficient length to allow a minimum of 1 1/4" (31.75mm) penetration into framing
   or furring.
 • Fasteners or nails must be either aluminum or stainless steel and have a head of at least 5/16" (7.9mm)
  in diameter and a shank of 1/8" (3.175mm).

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installation tips & best practices

wall preparation

urbanix aluminum siding must be installed over rigid sheeting. The siding should never be applied directly to studs without sheeting.

Residing:

• A flat level wall surface is necessary for proper installation of siding. If re-siding over existing wood siding, a wall leveling foam or furring strips can be used. Consult local building codes for specific requirements.

• The wall surface should be as dry as possible during the installation process.

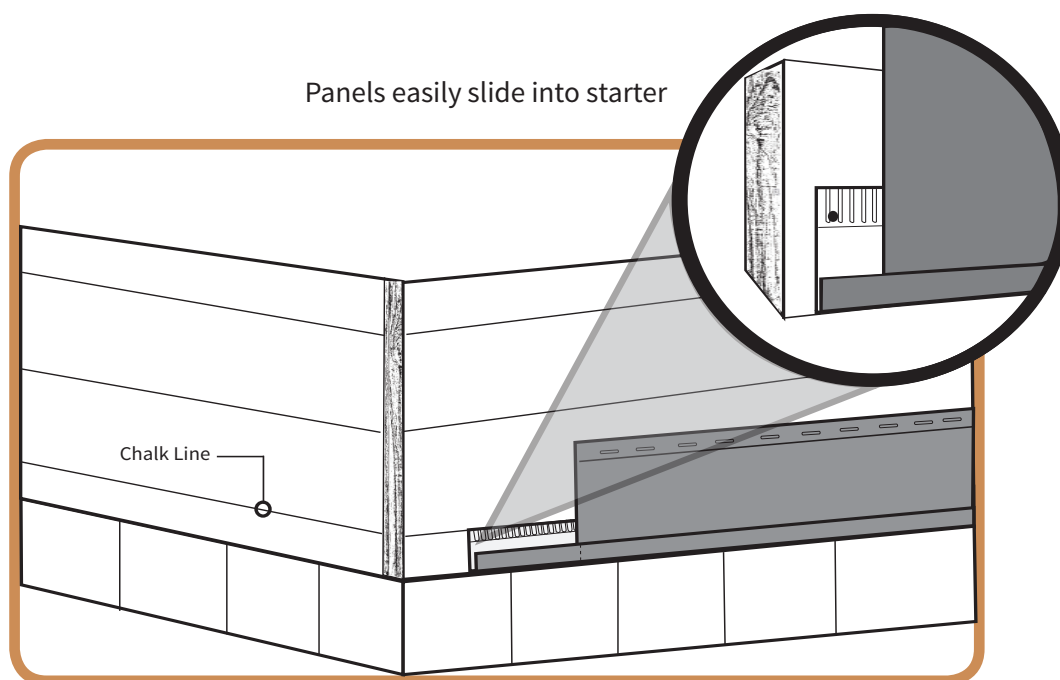• It is important to nail down loose boards of existing siding, and replace any rotten ones.

Masonary Walls

• Apply minimum 1"x3" (19mm x 64mm) furring strips at 12" to 16" (304mm - 406mm).

• Furring should be installed along all trim areas such as windows, doors under overhangs, corners etc., and along the bottom of the walls.

• To achieve a more solid feel, fill the areas between the furring strips with foam board as defined by building code.

• **IMPORTANT: In some areas, additional strapping may be required when installing cladding. The following descriptions are typical for those applications.**

• Furring or stapping must be applied to all walls receiving the siding 1" x 3" (19mm -64m).

• For horizontal siding, the furring should be installed vertically at approximately 16" (406m) intervals.

• For vertical siding, the furring should be installed horizontally at approximately 12" (304m) intervals.

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installation of urbanix panels

starter strip

Position starter strip to correct irregular conditions found in most old homes. It must be even on all sides to ensure a proper start, remembering that the starter strip locates the bottom edge of siding. Set chalk line on each corner, up from the bottom approximately, the width of the starter strip. Do not snap full length of chalk line at one time. Instead, fasten line tight, then raise the line 1/4" at the center of building, hold it in position with finger, and then snap each side. This is done to compensate for sag in the line to ensure proper alignment of siding at all four corners.

Nail furring strips around perimeters of house, using chalk line as a guide. Line up starter strip to top of furring strip and nail approximately every 8" - 12" or at studs. Keep starter strip about 3/4" from corner of house.

Insert edge of panel into starting strip and place evenly into place. Check alignment. Make sure that urbanix panel is interlocked in starter strip the whole length; lightly push downward and fasten approximately every 16".

Panels easily slide into starter

Chalk Line

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horizontal panel

Start at rear of house and work forward so that all joints face the rear. urbanix siding is installed with nails driven into furring strips or wall studs spaced not more than 16". on center. The urbanix siding fasteners are aluminum or stainless. Nails shall be long enough to penetrate the nailing base by at least 1 1/4" (31.75mm).

Place the first panel into the J channel and corner post. Position the panel so there's a 1/8" (3.2mm) gap in the corner between the end of the panel and the inside of the corner.

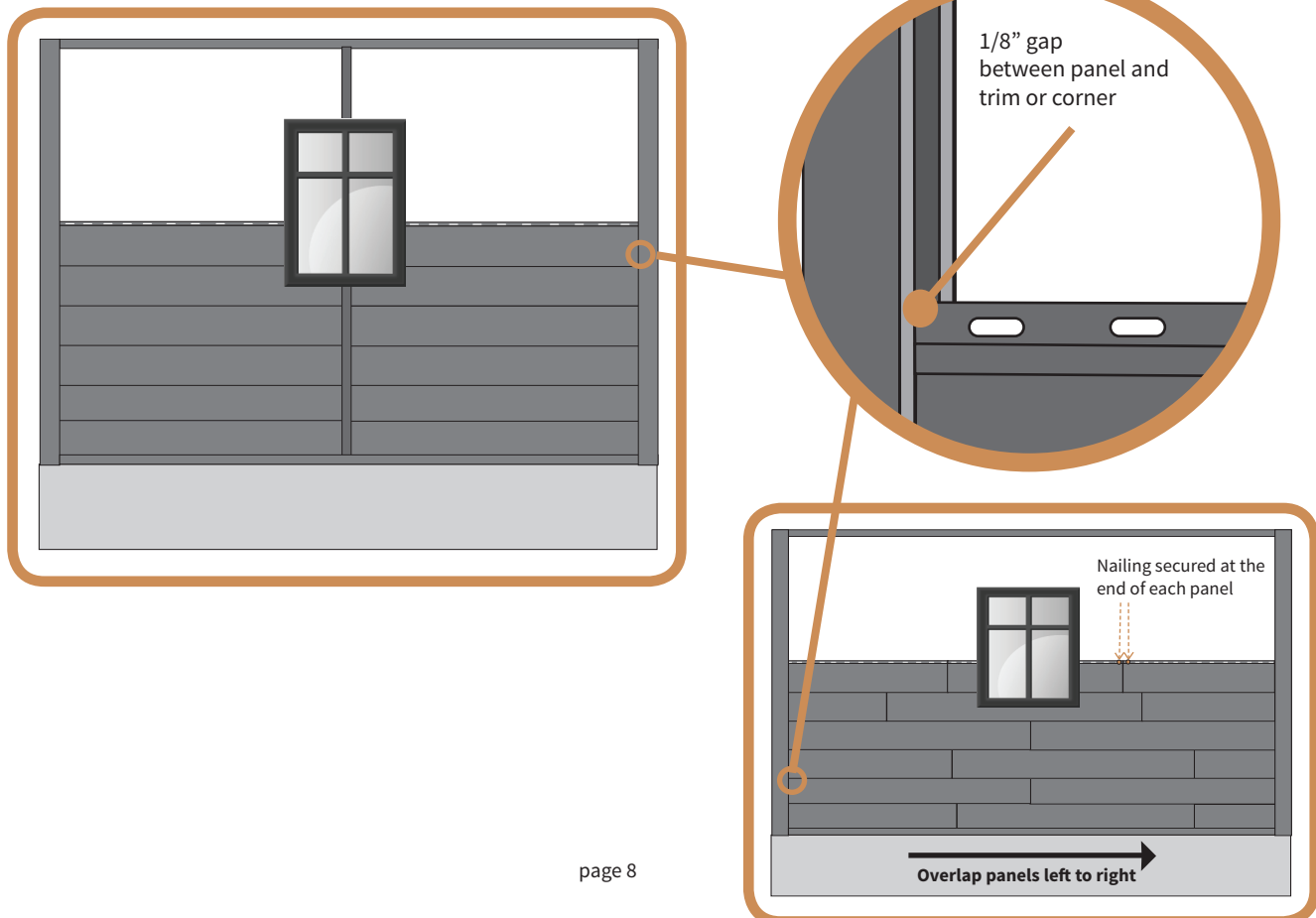The gap should accommodate expansion and contraction as temperatures changes.

Fasten the panel in the center of the nail slots, leaving 1/32" (8mm) between the fastener and the panel to allow the panel to expand and contract. Space fasteners at 16" (406mm) maximum.

The urbanix siding and accessories shall be installed in accordance with the best practice. Nails shall be centered in the siding nail slots with a minimum 1/16" clearance between the back of the nail head and the face of the siding, to allow the panel to expand and contract. Nails shall be driven perpendicular to the substrate.

Install the remainder of the course allowing 1/8" (3.2mm) between the nailing hems of the panels to allow for expansion and contraction of the panels through temperature changes.

Install subsequent courses making sure randomly spread out the seams trying not to have any laps closer than 24" (610mm) to each other to make them less noticeable. Seams should never repeat unless separated by three courses.
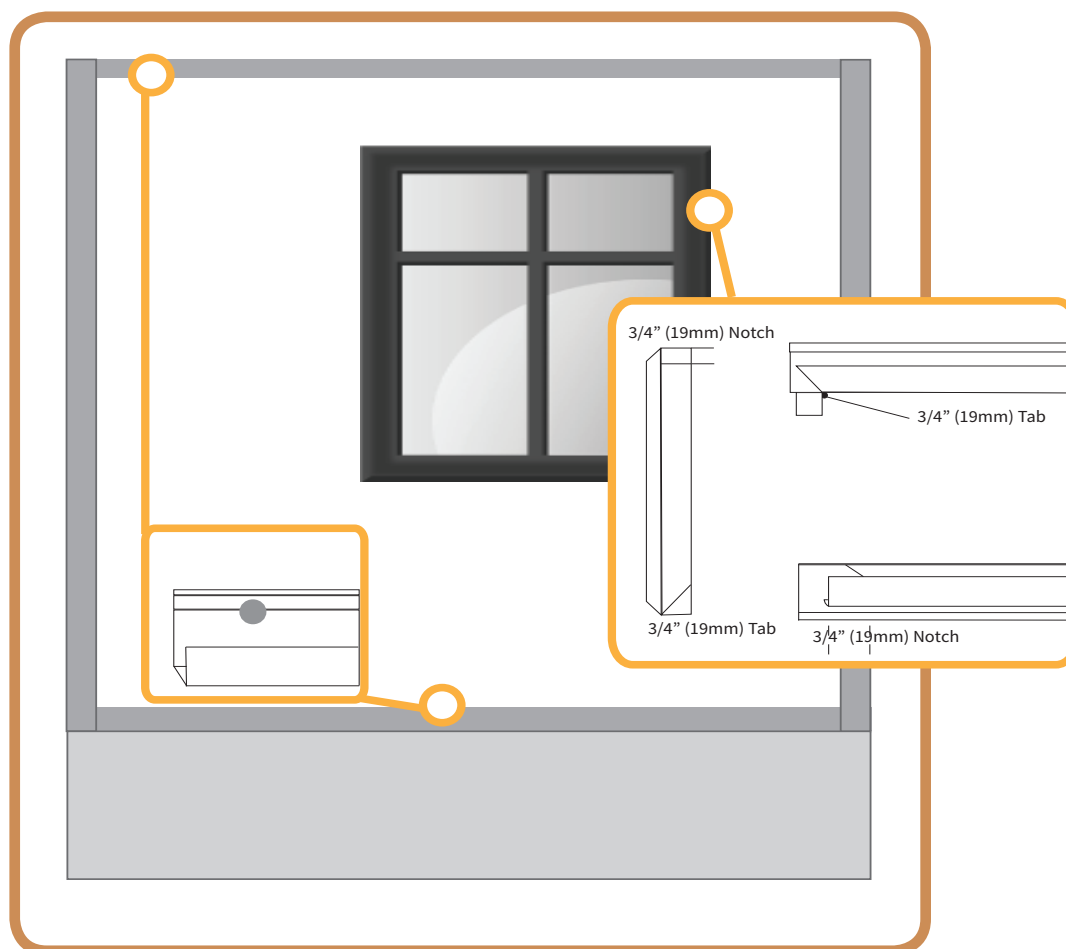
Unified panelling (using trim)

1/8" gap between panel and trim or corner

Nailing secured at the end of each panel

Overlap panels left to right

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trim application

Use on all windows and doors. Position and nail or fasten before siding is engaged. A drip cap and J trim are also used at sides and above windows and doors when the casings protrude from the side of the house.

Where neccessary, furr out with furring strips or suitable material to keep panel in proper alignment. Apply J-trim. Hold urbanix panel under J-trim and position in place. Lay out width. Then measure distance from lock of urbanix panel underneath. Mark distance on urbanix panel from butt edge. Cut out using snips and knife. Slip horizontal cut into J-trim and lock urbanix panel in regular fashion.

3/4" (19mm) Notch

3/4" (19mm) Tab

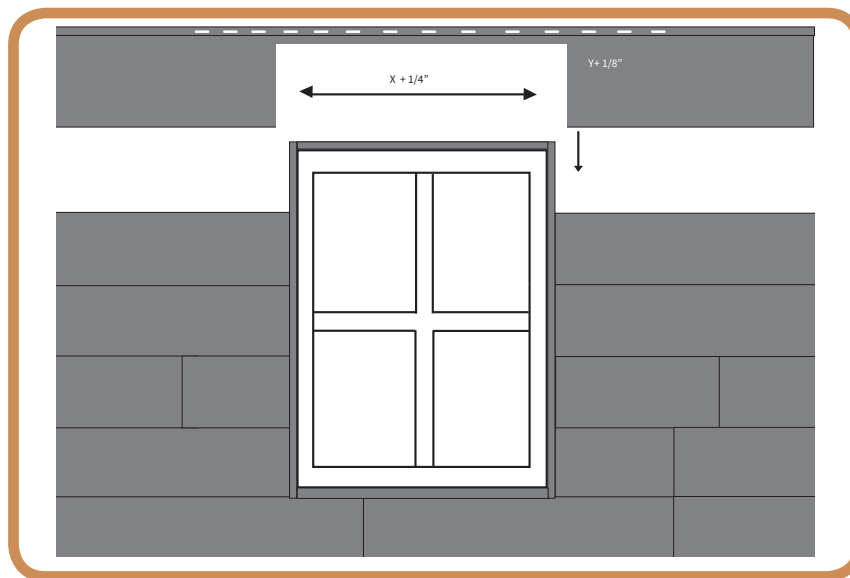3/4" (19mm) Tab

3/4" (19mm) Notch

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When measuring the height of the panel cuts under windows and doors, etc., subtract 1/2" from the measurement to allow for engagement of the lock when installing the panel(s).

To add support for the new window cut under the window. Use the piece removed from the panel by flipping the piece around and securing it inside the J channel. The cut edge of the panel can be inserted between the support piece and the channel.

After installing flashing, trim around all windows and doors using J-channel, the following sequence is suggested:

• Cut a J-channel for the bottom of the window, as wide as the frame, and install it.

• Cut side J-channels the length of the frame plus the width of the top and bottom J-channel.

• Cut and bend tabs into the bottom channel. Install the side channels.

• Cut the top J-channel the width of the frame PLUS the width of the side J-channel.

• A miter cut and tab can be provided at the bottom of the window depending on the sill's condition.

eaves

When finishing up at eaves, apply trim. Measure distance from lock panel in lower course up to J-trim allowing horizontal cut to be hidden in trim. Mark on urbanix panel, and cut with knife.

gables

Mark pattern for cutting urbanix panels to fit gable slop by taking two short pieces of urbanix panels, holding one horizontally on the lock of course below and the other up the side of the gable, Scribe line from "A" to "B" and cut. Use this pattern on all successive courses until peak is reached. Caulk along both sides of gable.
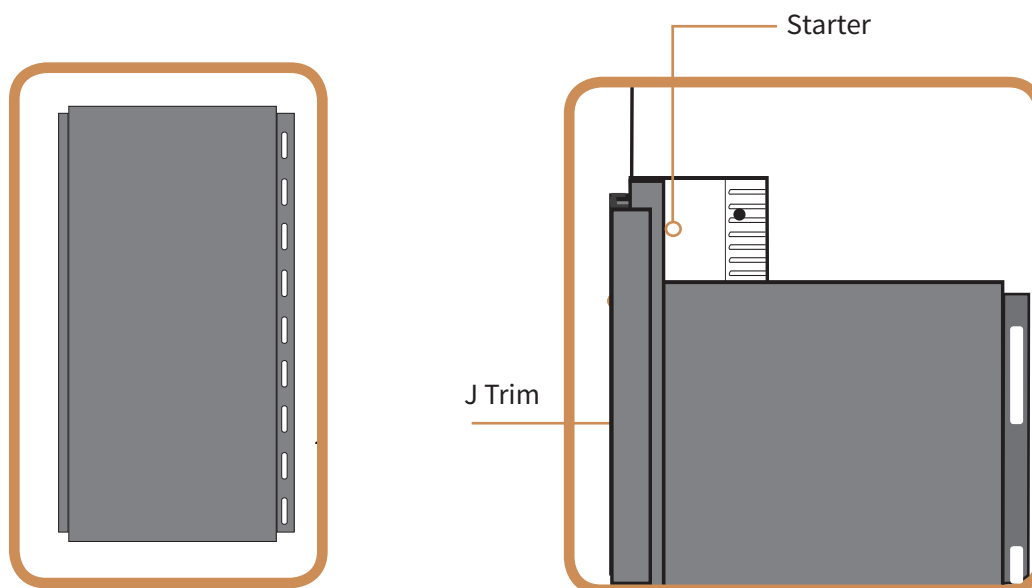
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vertical panels

standard application

Application of vertical siding is much the same as for horizontal installation, except that the urbanix panels interlock in a vertical position. Begin at back side of the house. Select a convenient starting point and drop plumb line from eave to foundation to locate starting line.

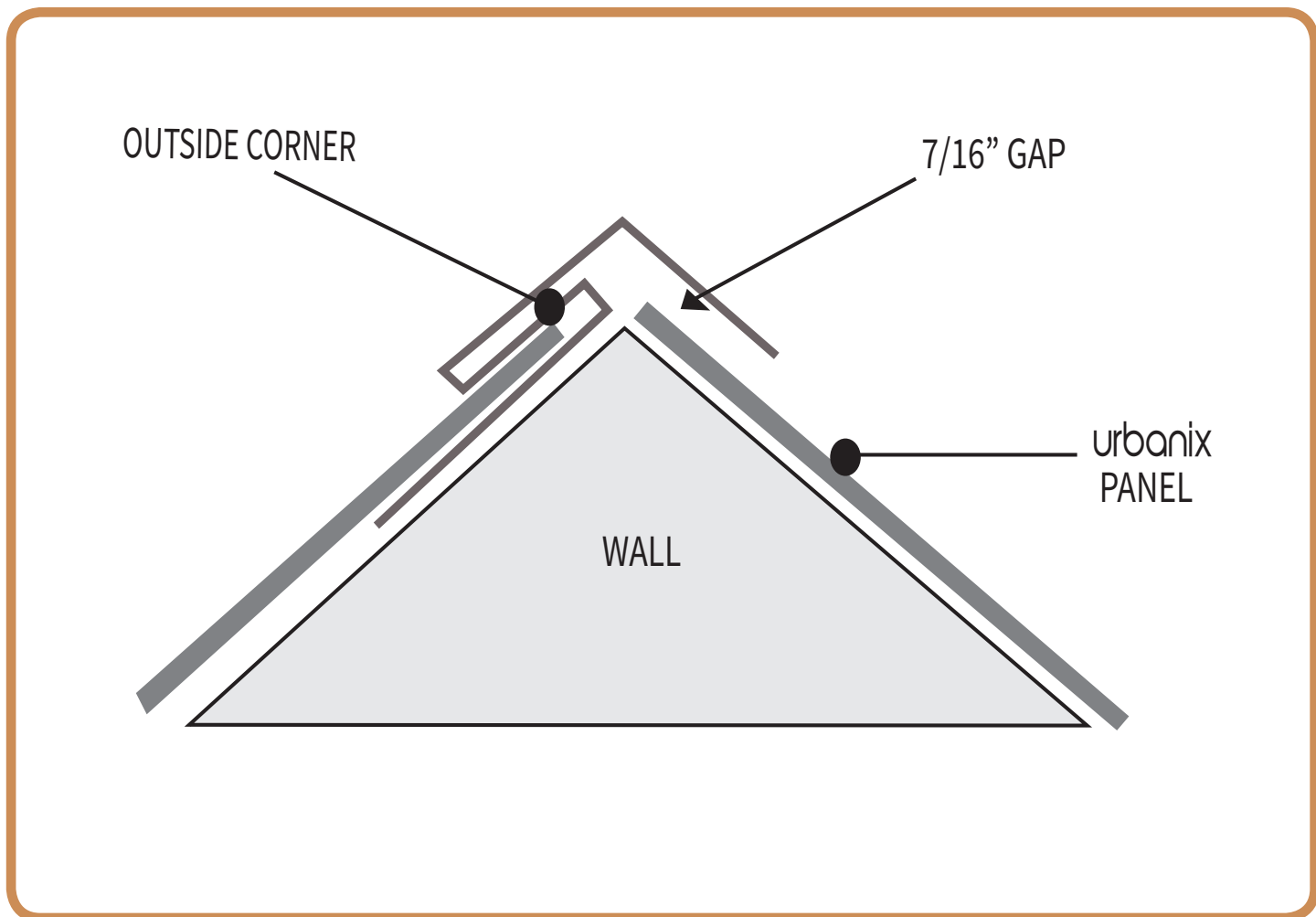Fasten J-trim to the wall. Insert the starter strip into the receiving channel of the J-trim and fasten.
Then insert the first urbanix panel.

Interlock urbanix panel by inserting end into lock of urbanix panel on wall and push evenly into place.
Pushing too tight will cause stresses in the panel. Work from left to right completely around house, nailing urbanix panels at hem every 12", furring out where necessary to keep urbanix panels plumb.

Starter

J Trim

Apply J-trim around windows and doors. Cut and fit panels following procedure same as for horizontal siding, applying trim to anchor vertical cuts. On windows in most new construction, apply only J-trim to anchor vertical cuts, caulking above and below window.
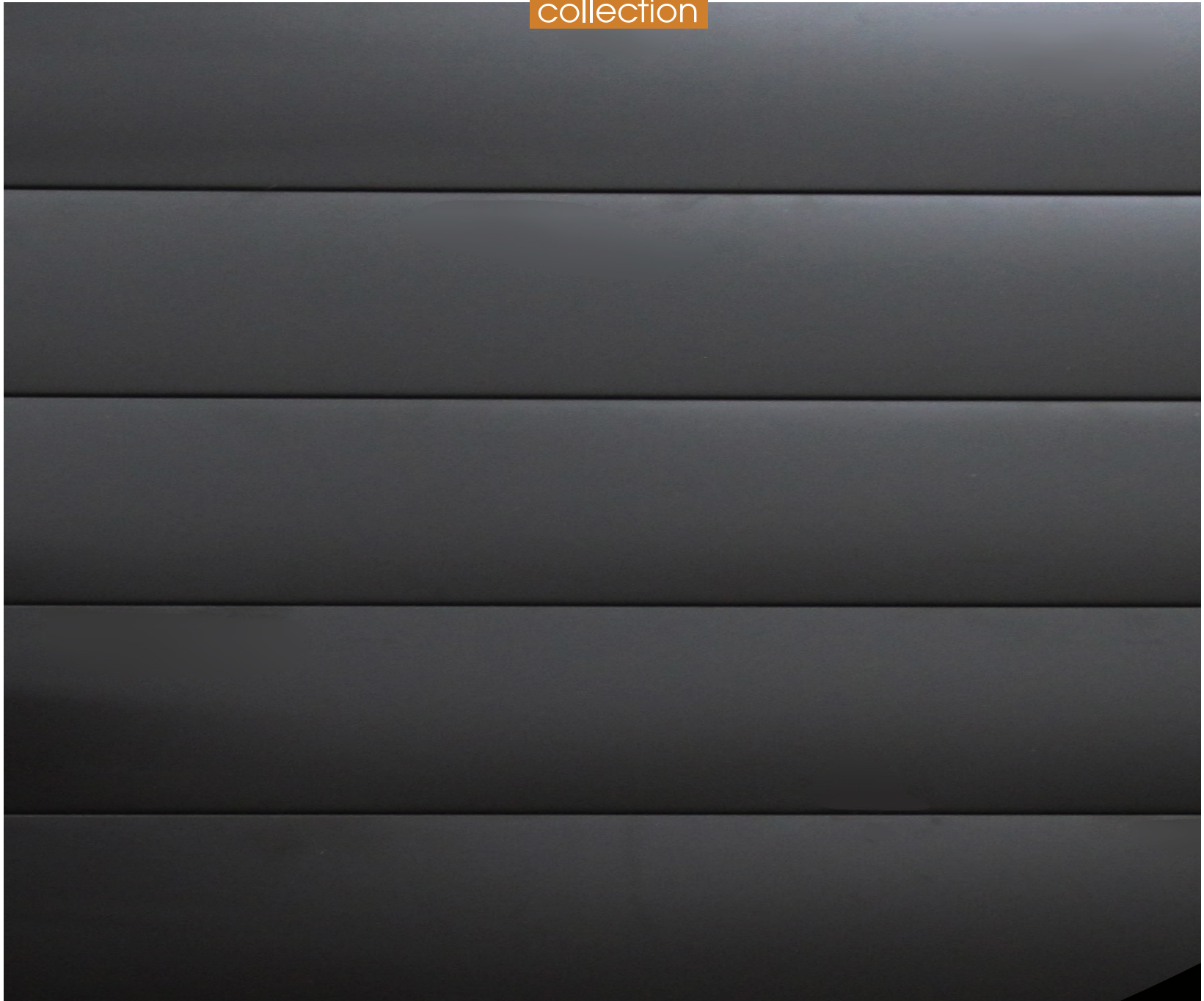
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corner application

• Make sure posts are leveled. Use a chalk line if necessary.

• Use prefabricated corners or bend it to adapt to style required.

• Secure posts by fastening at 8" or 12" intervals.

• Allow minimum 3/8" gap at bottom if the post is to be placed over decking, concrete, roofing, etc.

• For inside corners the use of J-trim is recommended.

OUTSIDE CORNER

7/16" GAP

urbanix
PANEL

WALL

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