

CROWN PVC SHAKES BOARDS SIDING



Product Description

Crown Composite's advanced 100% cellular PVC shake boards represent a breakthrough in the siding industry. Our innovative cellular PVC polymers provide a superior product density, enhancing the stability, durability, and natural weather resistance of our siding materials. Our unique manufacturing process allows us to factory-seal both the back and front of the siding. Our shakes stand out from wood and similar siding options by eliminating exposed, unfinished PVC surfaces or edges. This thoughtful design significantly reduces the risk of moisture retention and mold growth, ensuring a durable and low-maintenance solution for your home.





CROWN PVC SHAKES BOARD SIDING Installation guide

General specs

- Avoid dragging the material, as it may get scratched.
- Allow the materials to acclimate to the project/site temperature.
- Provide a 1/16" minimum expansion gap around any termination
- Provide a 3/16" keyway gap between shake boards to match
- When shake board protective film is removed, make sure to place the protective film back between the boards before restacking them to prevent uncured paint from sticking in between shake boards.
- Shake boards paint will fully cure 2 to 3 weeks after installation
- Do not use a weather-resistant barrier that requires cap nails, or remove caps before installing Crown shake siding; cap nails will prevent the product from lying flat.
- Crown shake siding is not a watertight barrier. Apply all flashing and waterproofing work required by code
- Flatten and clean any obstructions on the wall areas as much as possible.

Preparation

- Install over solid sheathing (plywood or OSB) at least 1/2" thick or equivalent.
- Install over a properly installed weather-resistant barrier (e.g., house wrap).
- Flash all wall openings and penetrations per local building code, and windows and doors per manufacturer recommendations.

Cutting

- Crown PVC products are made of 100% cellular PVC. No special tools are required for cutting or installation; standard woodworking tools are sufficient for all installations.



Storage

- Store Crown PVC shake boards on a flat, dry surface prior to installation.
- Storage temperature can't exceed 140 degrees Fahrenheit.
- Protect items from rain and water during storage.
- Winter storage temperature should be around 36 degrees Fahrenheit for proper installation
- Protect paint touch-up from freezing or overheating



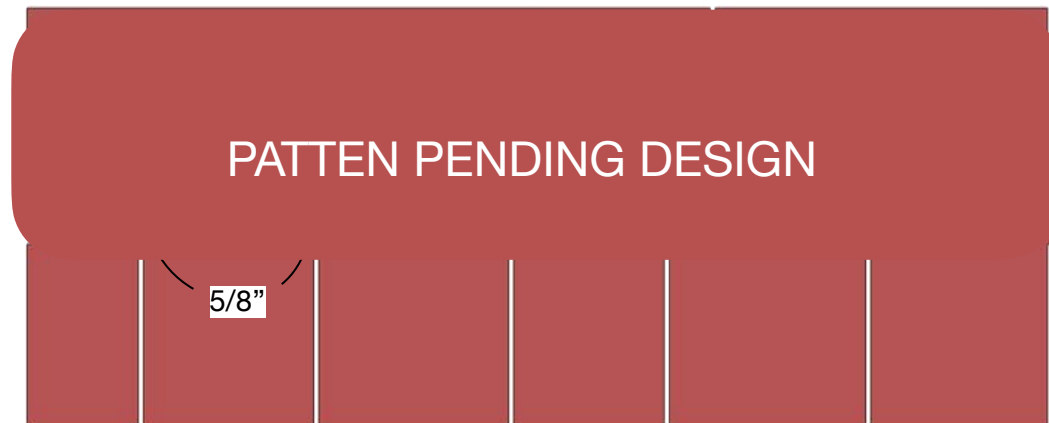
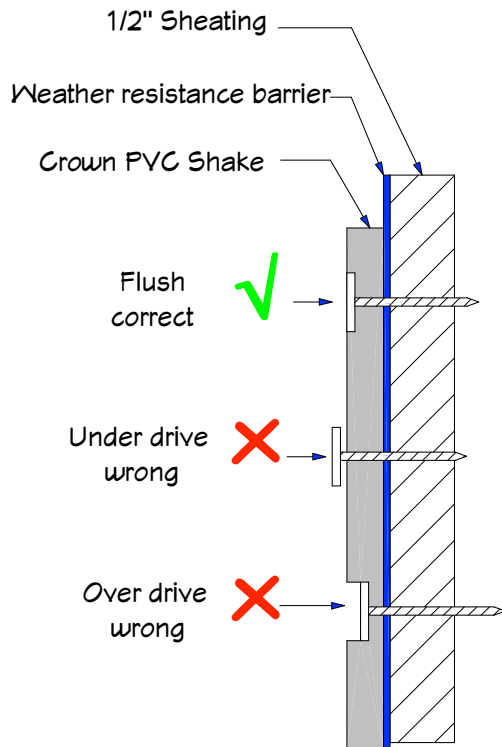


Fastening & shake board specs

Notes

- Install 12 ring-shank D5 siding nails per board flush with the surface board, following the nailing pattern below.
- Place fasteners: ~5/8" from the edge/keyways and no more than 1" above the exposure line.
- Apply adhesive to the back of each shingle when dark colors are used with an LRV under 40;
- Light and pastel base colors do not require adhesive.
- Fasteners must penetrate 1/2" into solid substrate (1/2" OSB, CDX plywood or equivalent)
- Use exterior-grade ring shank (5D stainless) siding nails
- **Do not overdrive** — overdriving causes lifting or cracking of shake boards
- **Do not underdrive** — shake boards may get loose over time.

Nail depth guide





5 inch exposure

CROWN PVC SIDING SHAKE Custom starter strip

CROWN PVC SIDING SHAKE Standard starting course

Position the Shake board directly above the starter piece. Ensure that the bottom edges are aligned properly

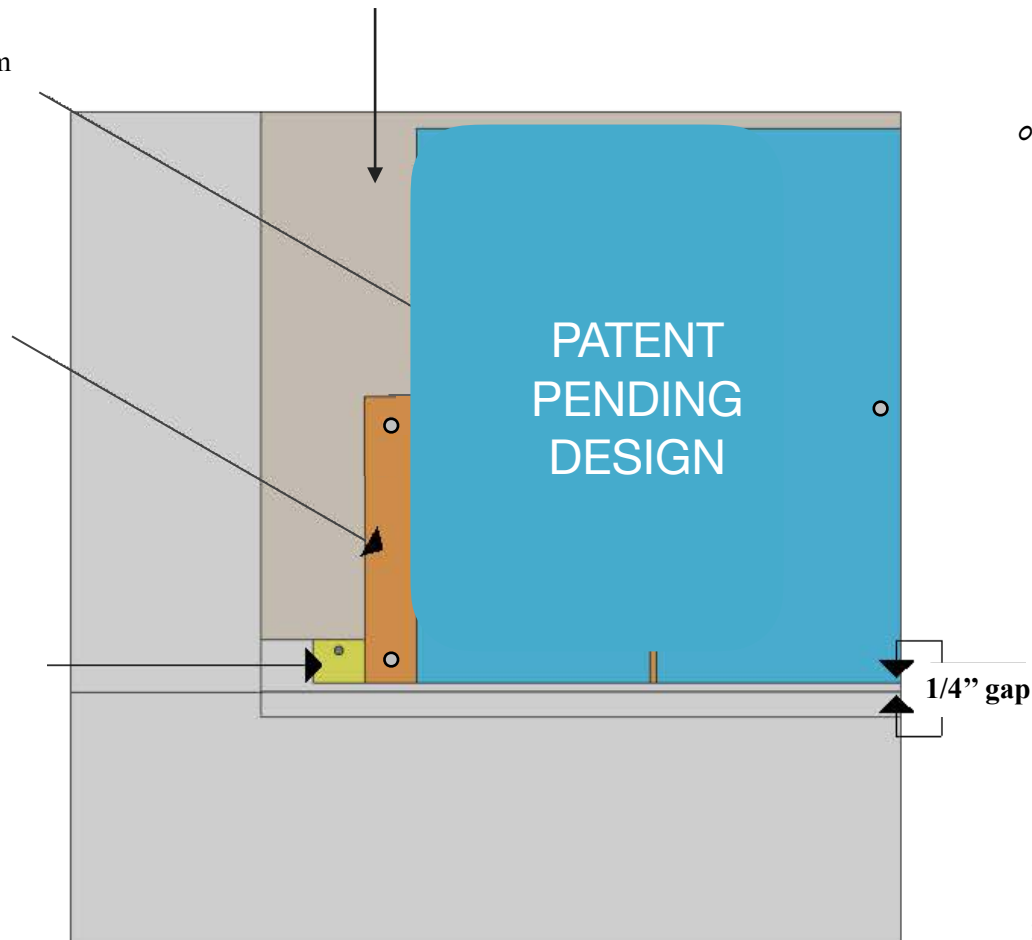
Weather-resistant barrier

Position the 7-1/4" starter above the 1-1/4" starter strip ensuring the the botto edges are properly aligned

NOTE: Space starter pieces 3/16" apart for thermal expansion

Position the 1-1/4" starter strip leaving 1/4" clearance above the drip cap

NOTE: Space starter strip pieces 3/16" apart for thermal expansion



1/2" CDX plywood or equivalent minimum

Weather resistance barrier

1/4"x13-1/2" Crown PVC Shake

CUSTOM 3/8"x8.5" Starter strip recommended

11.5"

6.5"



6 inch exposure

CROWN PVC SIDING SHAKE Custom starter strip

CROWN PVC SIDING SHAKE Standard starting course

Position the Shake board directly above the starter piece. Ensure that the bottom edges are aligned properly

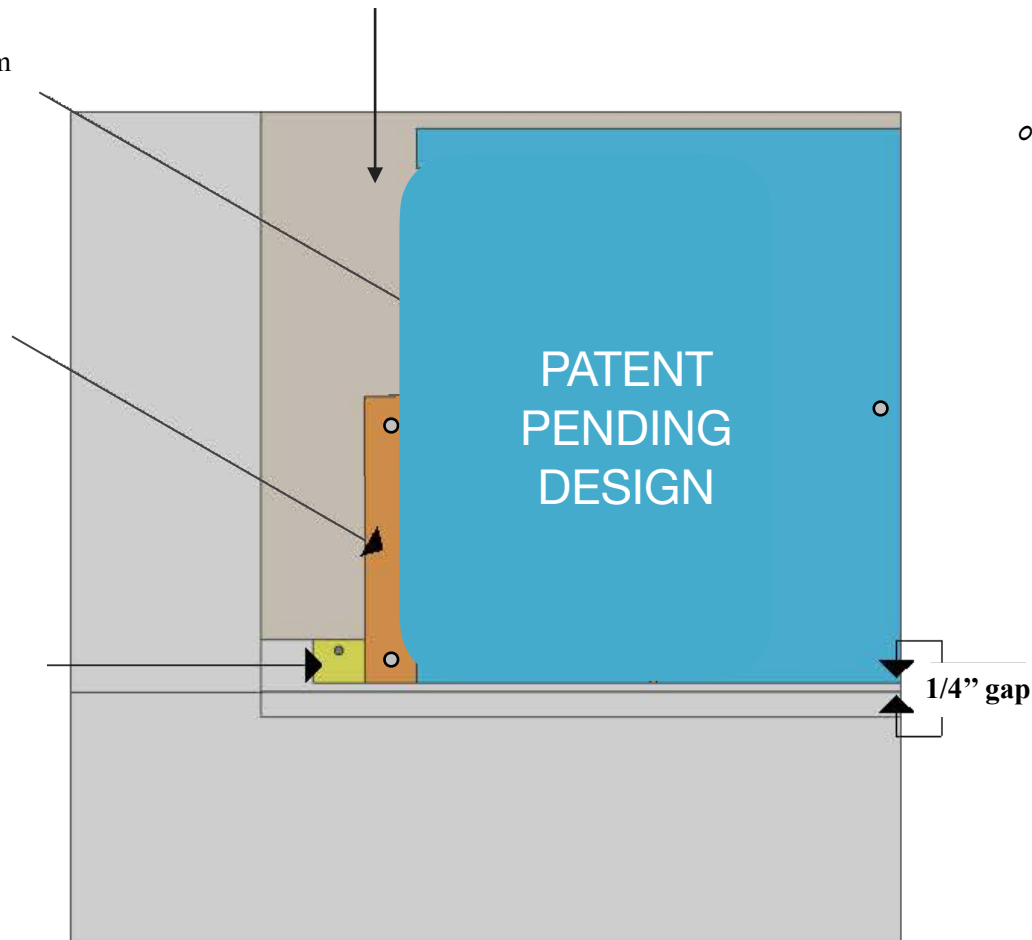
Weather-resistant barrier

Position the 8-1/4" starter above the 1-1/4" starter strip ensuring the the botto edges are properly aligned

NOTE: Space starter pieces 3/16" apart for thermal expansion

Position the 1-1/4" starter strip leaving 1/4" clearance above the drip cap

NOTE: Space starter strip pieces 3/16" apart for thermal expansion



1/2" CDX plywood
or equivalent minimum

Weather resistance
barrier

1/4"x13-1/2"
Crown PVC Shake

CUSTOM
3/8"x8.5" Starter strip
recommended

13.5"

8.5"



7 inch exposure

CROWN PVC SIDING SHAKE Custom starter strip

CROWN PVC SIDING SHAKE Standard starting course

Position the Shake board directly above the starter piece. Ensure that the bottom edges are aligned properly

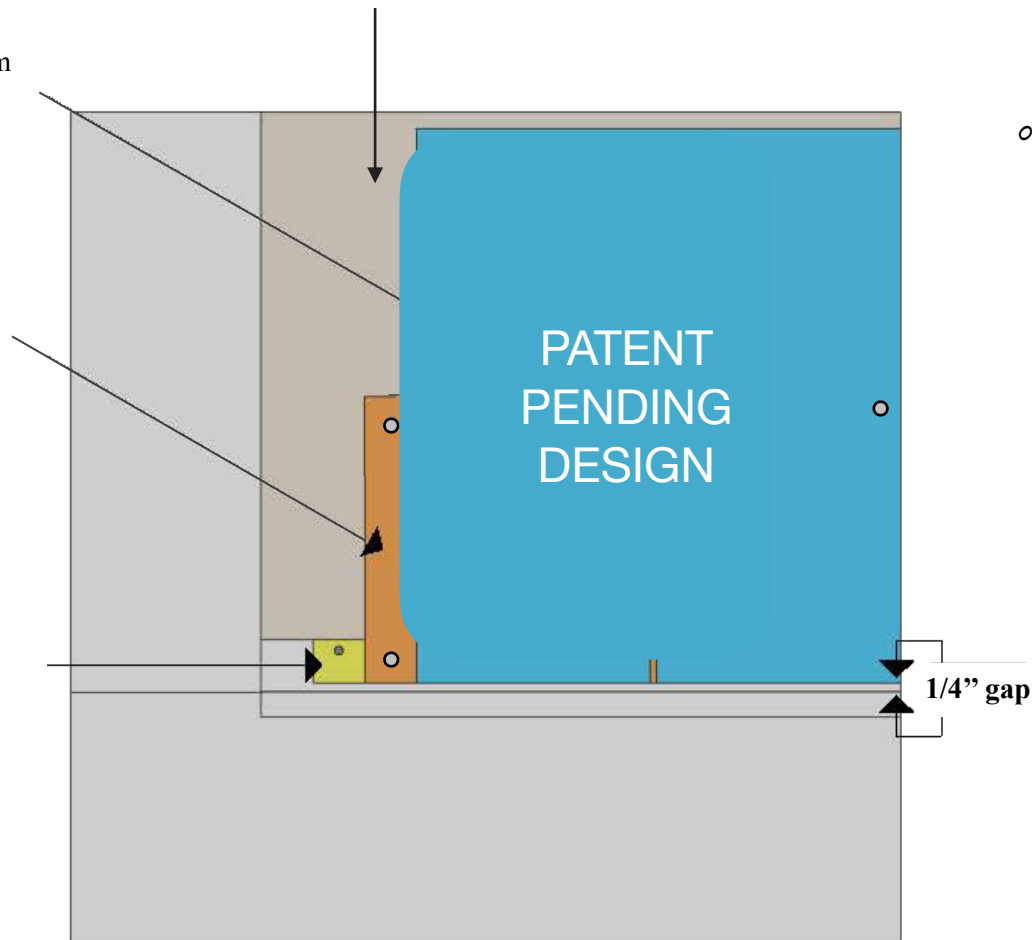
Weather-resistant barrier

Position the 9-1/4" starter above the 1-1/4" starter strip ensuring the the botto edges are properly aligned

NOTE: Space starter pieces 3/16" apart for thermal expansion

Position the 1-1/4" starter strip leaving 1/4" clearance above the drip cap

NOTE: Space starter strip pieces 3/16" apart for thermal expansion

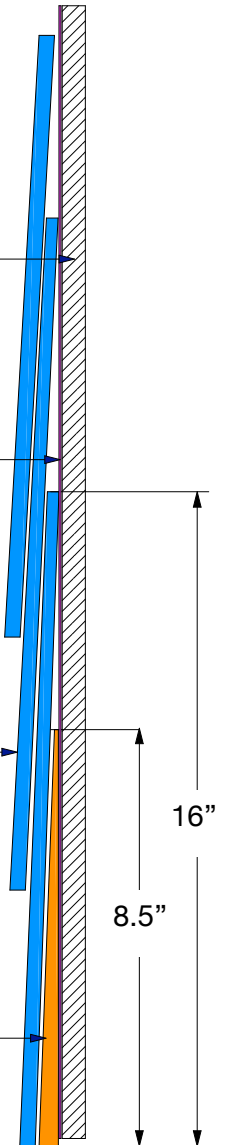


1/2" CDX plywood or equivalent minimum

Weather resistance barrier

1/4"x13-1/2" Crown PVC Shake

CUSTOM 3/8"x8.5" Starter strip recommended

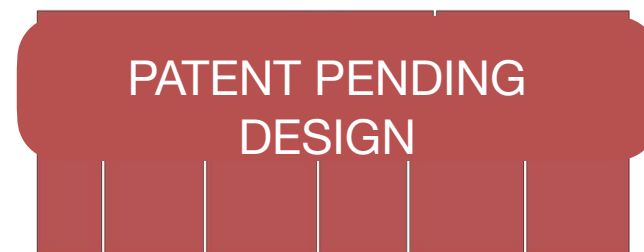
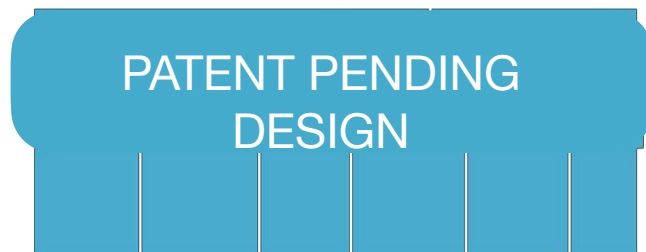
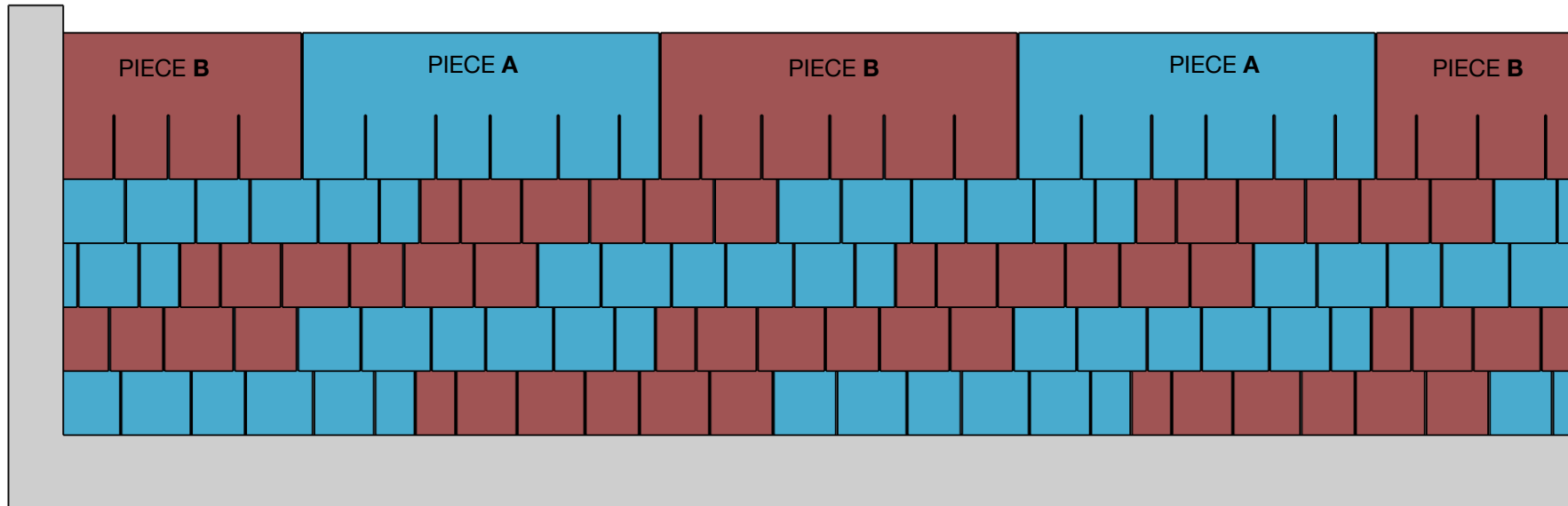


General installation

11" Shake board → 5" exposure
13.5" Shake board → 6" exposure
16" Shake board → 7" exposure



- 1 Space 3/16" keyway between shake boards recommended, Space 1/16" around any termination . Do not install shake board tight
- 2 Install 1-1/4" starter strip level leaving 1/4" clearance above the drip cap using ring shank D5 siding nail, space starter strip 3/16" apart
- 3 Position the 7-1/4" starter above the 1-1/4" starter strip, ensuring the bottom edges are properly aligned, space starters 3/16" apart
- 4 Position the Shake board directly above the starter piece. Ensure that the bottom edges are aligned properly
- 5 Install piece A using 12 siding nails. Next to the right, install piece B, ensuring proper alignment of the keyway. Maintain a 3/16" space between the boards.
- 6 Install the second course piece B over piece A at the desired exposure, following the keyway alignment marker for proper positioning
- 7 Small cut-out pieces necessary at all terminations require adhesive; Wiht-out adhesive the small pieces may fall over time due to the normal expansion and contraction of the PVC materials, Lexer clear caulk or OSI Quad Max color-match caulk are recommended. Apply two drops at the back of the pieces and fasten using 4-18 gauge finish nails (Stainless), or use 2 siding nails (Stainless) and paint the nail head using the color-match paint kit.



Touch-up, maintenance, and re-painting

- Shake touch-up paint well. Test on a piece before use to ensure color match. Apply to all visible cuts and damaged edges. Hidden cuts don't require paint. Crown PVC shake boards are water and moisture-resistant

- The touch-up paint/stain is specifically designed for use on areas that have been cut during installation and require restoration. It is important to apply the paint/stain only to these affected spots, as using it on factory-coated surfaces can lead to uneven coloring and an undesirable finish. Always ensure that the area you're treating needs a touch-up to achieve the best results.

- Do not repaint the entire area; Field paint application voids the warranty. If repainting is needed, use a paint with Light Reflective Value (LRV) of 50 or greater.

Preferred paint: Benjamin Aura® or PPG Breakthrough® or Exterior 100% Acrylic Latex Satin.

- Crown PVC products are easy to clean; just mix water with mild detergent or a household cleaner. For mold or mildew, use a gentle solution like a 10-part water-by-1-part bleach mixture or products like Wet & Forget® or Simple Green®, but be sure to test a small area first.

- Lightly spray the cleaning agent onto the surface with a garden spray pump or a nylon cleaning brush, then rinse with plenty of water. Avoid high-pressure washers to protect brushed or sand-textured surfaces.

