

# Installation Guide

For best results and to ensure that the Warranty is not voided adhere to the following installation instructions. Before installing the Product ensure that the correct Product was received for the application and inspect the material for any defects. If any Product is found to be unsatisfactory, do not install, contact Pinnacle Panel to arrange replacement material.

## Storage

The Product is ready to be installed and/or stained upon delivery. If storage is required prior to installation protect the Product from the elements. Store Product a minimum of 6" [150mm] above the ground and under a waterproof cover. Make sure there is good air circulation to permit the Product to "breathe" and prevent mold-inducing conditions to occur.

## Application

The Product is designed and approved for vertical or near-vertical exterior wall siding applications. The Product can be installed on sloping walls without voiding Warranty providing that the angle of slope is greater than 60° from horizontal.

## Fasteners

Ensure that nails are hot dipped galvanized, aluminum or stainless steel. Other types of metal fasteners may corrode and disintegrate, resulting in siding failure. Use of stainless steel nails is recommended, to minimize unsightly rust streaks, for installations near the ocean. Nails should be ring shank with a 9/32" textured head. Ring shank siding nails have a thin shank and blunt tip to prevent splitting and provide excellent holding power. Nails must be an adequate length to penetrate solid framing by a minimum of 1 ¼ inch [32mm].

## Wall Construction

Ensure that the water resistive barrier [WRB] and all 3<sup>rd</sup> party materials are installed to manufacturer's instructions and that all exterior envelope construction complies with local building code requirements. Regardless of wall construction, the shingle panels should be fastened to building's solid

structure or framing with a spacing of no more than 24" [60cm].

## Rain Screen Capillary Break

A minimum ¼" [6mm] rain screen capillary break between the shingle panel and the building's WRB is required to maintain the Pinnacle Panel Warranty.

## Corners

Standard Pinnacle Panel Corners are for "outside" 90° Corners. Custom corners are available through special order. Shim Corners so that they butt square to wall panels. Install one course at a time.

## Cutting

For best cutting results use a 10" [250mm] compound miter ["chop"] saw fitted with a sharp carbide-tipped blade with approximately 1 ¼" [32mm] spacing between teeth.

## Spacing and Field Joints

Shingle Panels should be butted up tightly together. To allow for caulking application, leave a 1/16" [1.6mm] gap between panels and wall penetrations such as doors, windows and vents.

## Flashing and Caulking

Where appropriate, use an exterior grade high-performance caulking to seal gaps around windows and doors and where shingle panels meet vertical and horizontal trim. Note that caulking is not permanent and it will require routine maintenance to prevent the ingress of water into the wall assembly. Do not seal areas that will prevent moisture from escaping, such as the drip sills.

## Clearances

Adequate clearance from underlying materials is necessary to maintain the appearance and ensure the longevity of the Product. Required clearances are ¼" [6mm] above flashing, 6" [150mm] from grade, 1" [25mm] above decks, patios, sidewalks and 2" [50mm] as above roof surface.

## Pinnacle Panel

3128 Hope Place

Chemainus, BC, Canada V0R 1K4

Phone: 1 (778) 762-5052, Email: sales@pinnaclepanel.com