

TWO-PIECE METAL TRIM

Supplemental Guide for AWP Installation

General

This document is intended to supplement the Nichiha Architectural Wall Panel (AWP) installation guides, which can be found on our website, along with all other technical documents such as technical bulletins, architectural details, instructional videos, and code compliance reports: nichiha.com/resource-center.

Install products in accordance with the latest installation guidelines and all applicable building codes and other laws, rules, regulations, and ordinances. This document's effective date is September 1, 2025.

Overview

Nichiha's two-piece metal trim system provides a solution for corners, penetrations, transitions, and vertical joints, while maintaining a clean, consistent finish. The system is optimized for efficient installation, featuring concealed face fasteners and supporting a no-caulk design.

The 2-piece H-Mold may also be used as an alternative to the double flange sealant backer joint that is required for expansion joints in AWP 1818 applications.

It offers flexibility by allowing trim installation in phases, protecting finished surfaces during construction, and reducing both jobsite damage and long-term maintenance. The following profiles are designed for seamless integration with our AWP systems.

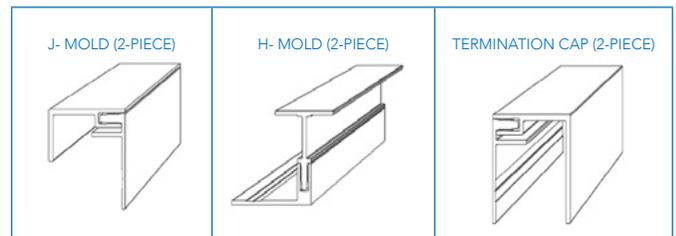
TWO-PIECE TRIM APPLICATIONS

TRIM TYPE	APPLICATIONS
CORNER KEY	OUTSIDE CORNER
H-MOLD	VERTICAL JOINTS - AWP 3030
J-MOLD	TERMINATIONS
COMPRESSION Z FLASHING	COMPRESSION JOINTS
TERMINATION CAP	TERMINATION TO HIDE FACE FASTENERS
DEEP J TRIM	ACCOMMODATES A 7/8" HAT CHANNEL WITH AWP

* Be sure to use trim channels that match the AWP thickness.

Metal Trim Options

The core two-piece trim offerings include the J-Mold, H-Mold, and the new Termination Cap. Each consists of a black "Base" plate and a "Face" trim, available in primed, anodized, or color match paint finishes.



We also offer three special order two-piece metal trims including:

Two-piece Corner Key

- The two piece corner key has a 2-1/4" wide face for outside corner applications and allows for concealment of face fasteners in vertical AWP applications.

Two-piece Compression Z Flashing

- Modular "In-factory" installations to conceal plate lines

Two-piece Deep J Trim

- Deep J Trim will accommodate a 7/8" hat channel with the AWP Panel.

Installation Considerations

Metal trim pieces are manufactured in 10-foot lengths. When trim pieces are butted or stacked, carefully align joints for smooth transition. Apply a continuous bead of polyurethane sealant at the seam or joint to help minimize water infiltration.

Prior to installation, always consult the construction drawings to verify proper layout, placement, and alignment of all trim components.

The trim base piece of the 2-piece trim must be installed flat. Shimming may be required when installing the base trim piece over an uneven substrate.

Horizontal trims must not be installed in a manner where the exterior flange can collect or retain water (e.g. J-mold with the face flange facing upward). Vertical trims (Corner Key and H-mold) cannot be installed in a horizontal orientation. Metal trims do not serve as a waterproofing component and should not be relied upon to prevent water intrusion.

BEST INSTALLATION PRACTICES

STORAGE & HANDLING

Trims may be stored outdoors; moisture and temperature will not damage aluminum trims. Do not stack other material on top of trims. To avoid any unnecessary damage, do not slide or drag trims on the ground or against any abrasive surface.

CUTTING AND PAINTING

Use a non-ferrous carbide miter/band saw blade when cutting Metal Trims. Use Direct to Metal (DTM) paint when jobsite painting.

BASE PLATE INSTALLATION

Fasteners must be exterior grade corrosion resistant pan head screws. The minimum size fastener for metal trims is #10 screw, fastened every 16" oc on the base plate. Fasteners must comply with all local building codes.

When installing the base plate for the J-Mold or Termination Cap, maintain a minimum 1/8" gap between the base plate and the termination point (e.g., soffit, window, door, etc.).

PANEL PLACEMENT

The base plate is designed to integrate with the panel system and includes an integrated stop plate to serve as the panel termination point.

Maintaining moderate contact between the panel edge and the base plate is recommended, as it helps stabilize the panel and minimizes movement after installation. This design ensures proper panel alignment and consistent spacing within the trim assembly.

FACE TRIM INSTALLATION

When installing two-piece face trims, start at one end of the base plate and gradually work your way along the length.

Use a rubber mallet to gently tap the face trim into place, ensuring it seats securely and evenly into the base plate.

RECOMMENDED ADHESIVE

To accommodate the natural expansion and contraction of aluminum, it is recommended to apply a small dab of adhesive between the interlocking teeth of the base plate and face trim. This adhesive helps secure the face trim in place and maintain proper alignment over time.

Recommended sealant should meet the following performance criteria:

Tensile Strength: 475 psi (ASTM D412)

Lap Shear Strength: 550 psi (ASTM D1002)

TWO-PIECE TRIM INSTALLATION DIAGRAMS

H-Mold Trim Installation



Corner Key Trim Installation



J-Mold Trim Installation



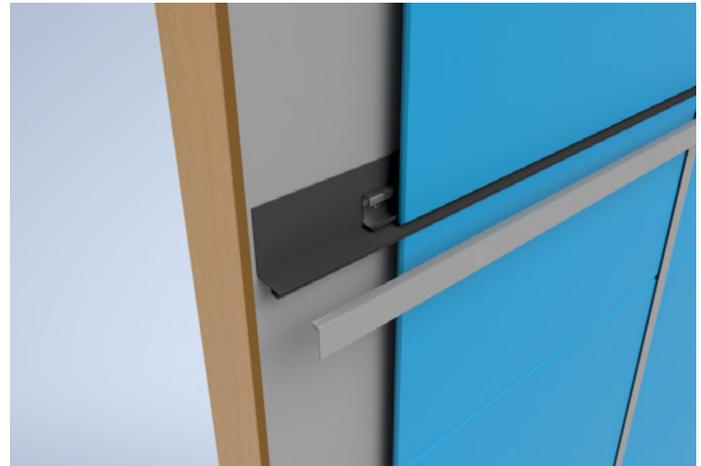
J-Mold Trim Installation



Termination Cap Installation at Soffit



Compression Z-Flashing - Joint Trim Installation



Termination Cap Installation at Sill

