

# Siding Installation Manual

**Important:** Failure to read and adhere to these installation instructions could void the manufacturer's warranty. These installation instructions are based on the manufacturer's experience with normal applications. They are not intended to cover every installation or building code requirement, detail or variation. If questions arise concerning the product or its suitability for a particular use, contact your architect or engineer. Any unapproved deviation from these procedures shall be solely at the risk of the installer. The project architect or engineer or designer is also responsible for designing a proper building envelope for moisture control.

## dasso.XTR Storage and Handling

dasso.XTR Rain Screen must be stored out of direct sunlight to prevent oxidation. Until ready to install, siding should be stored flat and well off the ground in its original packaging. Siding should remain covered before installation. Keep siding loosely tarped and protected from water. Siding should be kept dry before and during installation.

## Cutting

Use carbide-tipped finish cut saw blades. Seal all ends immediately after cutting with a wax-based end-grain sealer, similar to "Anchorseal."

## Trim

Windows and doors should be properly installed before starting the installation of the clips and siding profile. Leave a 1-2" gap at all abutment points to allow for expansion/contraction of the siding.

## Fastening

Set elevation lines across the wall surface to ensure that the required level is maintained during installation. When installing, start at the base and move upward in complete rows. Check your alignment and level siding after installation of each row. When fastening the top of the siding, the final/top siding board may need to be ripped to the proper width, pre-drilled and face screwed.

For fastener/clip application:

- Use marine-grade stainless steel fasteners designed for use with wood only. Most clip applications can use a 1" long #12 pan head 316-grade stainless steel screw. Use 2 screws per clip when installing on sheathing; one screw per clip when fastening directly to a solid wood batten or stud.
- Always begin Clip application at one end and proceed to the other end. If a board is bowed, it is recommended that you cut the board in half to eliminate the bow, re-square the ends and install.
- Position Siding Clips so that fasteners are centered over studs except where butt joints occur. Clips should not be placed any greater than 24" on center.
- The fastener should be driven perpendicular to the board surface and must be long enough to penetrate at least 3/4" into solid wood.
- Install screws so they lie flat to the clip and the screw head does not interfere with the insertion of siding into the clip.
- Use 1 clip at butt joints.

## Rain Screen Design Basics

Consult your local building code and architects or designer for specific requirements.

- Rain Screen siding assumes the use of structural I frame and wall sheathing construction. Some type of moisture barrier or membrane is required.
- It is imperative that you consider the combined depth of the Rain Screen siding, clip, and or batten when designing window , door and trim specifications.
- Proper ventilation is essential for long-term stability and to minimize cupping. Rain screen systems must be allowed to drain and dissipate moisture.
- Allow a minimum of 1" clearance between the roofing and the bottom edges of the rain screen and trim to allow for adequate ventilation. Flashing and counter flashing should be installed at the intersection of the roof and vertical surfaces, as recommended by the roofing manufacturer.
- dasso.XTR Siding should not be installed in contact with the ground at grade level, a concrete slab, deck materials or standing water.
- Rain Screen Systems are designed to breathe and as such will allow some level of insect nesting behind the cladding. To reduce potential insect intrusion, install mortar net or screening material behind Rain Screen.

## Fasteners

Fasteners are available in a variety of sizes and lengths. Requirements will be project and application specific. For on-panel applications, we offer a uniquely threaded marine-grade T305 stainless steel 1" long #12 pan head screw. For on-batten and on-stud applications, we offer a T305 Stainless #12 pan head wood screw (length to be determined by application requirement).

## The Cladding

The dasso.XTR Rain Screen System utilizes a proprietary "clip-eclipsing" wood profile that conceals the fastener system while allowing maximum air flow and water evaporation. The unique profile also facilitates ease of handling and installation. With no nail or screw heads to detract from the rich, natural beauty of dasso.XTR Rain Screen siding, our unique system offers the most appealing looking rain screen and cladding solution available on the market today.

### Specifications

- Standard Thickness – Nominal 1" (net 1-11/16" thick)
- Standard Profile Reveal – 14"
- Standard Widths and Coverage Estimates (approximate)
- Nominal 6" (5" coverage); approximately 2.4 linear feet per square foot
- 2.1 clips/SF, installed 16" on center
- 1.5 clips/SF, installed 24" on center
- Nominal 4" (3.5" coverage) ; approximately 3.4 linear feet per square foot
- 3.6 clips/SF, installed 16" on center
- 2.5 clips/SF, installed 24" on center

**Note:** Actual usage will vary depending on window openings, doors, butt joints, etc.

