

# New Construction Applications

## INSTALLATION INSTRUCTIONS



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In all new construction applications, always prepare the area so Fypon products can be fastened securely to the sidewall surface. Apply plywood or OSB sheathing where the millwork will be installed. To prevent moisture infiltration, use house wrap per the manufacturer's recommendations.

### Brick and Masonry Applications

Use a combination of masonry fasteners and adhesive to fasten Fypon products to brick or masonry structures. Countersink the fasteners and apply a non-shrinking filler in the indentations. Allow the filler to cure, then sand the filled area flush. Touch up with paint.

### Synthetic Stucco Applications

When installing Fypon products over an existing synthetic stucco (EIFS) surface, it is important to seal out any moisture that could collect and pool between the millwork and the synthetic stucco surface. Moisture will not harm the Fypon product; however, the surface of the synthetic stucco is susceptible to prolonged moisture pooling.

To prevent moisture problems, a high-quality PUR compatible adhesive or sealant must be used. This type of adhesive or sealant not only bonds the millwork securely to the EIFS wall surface, but also creates a seal/gasket to prevent moisture entry behind the millwork.

1. Apply a solid bead of adhesive/sealant near the outside edge of the top and sides of the millwork. The bottom edge of the millwork should remain free of adhesive/sealant to allow moisture to escape.
2. Assess the area where the millwork will be positioned. If there is solid sheathing or framing behind the EIFS surface, millwork should be secured directly to it. However, if solid material cannot be located, the use of hollow wall fasteners will be needed.
3. When the millwork is placed snug against the wall surface, the bead of adhesive/sealant might ooze out the edges. Smooth out the bead and add additional adhesive/sealant to create a good weatherproof seal that will repel water.

### Techniques for Vinyl, Aluminum and Steel Siding

1. On the back of both Pilasters, apply a 1/4" bead adhesive around the perimeter. Place pilasters in position, aligning the edges of the pilasters flush with the top and sides of the brickmoulding. Fasten millwork using adhesive and fasteners. **IMPORTANT:** If a storm door is being installed – keep the brickmould in place and mount the storm door securely to the wooden brickmoulding. However, if desired and a storm
2. After installing the pilasters, if the pilasters are not routed, butt and fit the siding manufacturer's recommended J-channel mouldings to the sides of the pilasters and the top of the doorway. Install siding into J-channels, completely surrounding the doorway. Try to avoid placing siding lap joints above the doorway where a crosshead may be positioned. This will eliminate any chance of moisture collecting behind the Crosshead and migrating into the sheathing material behind the crosshead.
3. Due to the complexity of cutting and fitting flashing and siding to irregular shapes such as Crossheads, apply PL Premium Adhesive to the back of millwork, then position directly over the siding and securely fasten with noncorrosive fasteners. Any moisture that migrates behind the Crosshead will be flashed away by the J-channel trim.

**TIP:** We suggest using screws when securing millwork over siding materials. The extra holding strength of the screws along with the adhesive will securely hold the crosshead in place.

### Techniques for Hardboard and Wood Sidings

For a new construction exterior, always prepare the area so the Fypon products can be fastened securely to the sidewall surface. Apply plywood or oriented strand board (OSB) sheathing where the millwork will be installed.

1. Apply a moisture-resistant house wrap material to the sheathing material as per the manufacturer's recommendations before installing millwork.
2. On the back of both pilasters, apply a 1/4" bead of adhesive around the outside perimeter. Place pilasters in position (right pilaster on right side, etc.), aligning the edges of the pilasters flush with the top and sides of the brickmoulding. Fasten millwork using adhesive and fasteners. If pilasters need trimming, cut from the base only. Never cut the top of a pilaster. **IMPORTANT:** If a storm door is being installed – keep the brickmould in place and mount the storm door securely to the wooden brick mould. However, if desired and a storm door is not to be installed, the wooden brick mould material may be removed.
3. To prevent water entry behind the millwork, all window or door crossheads must be flashed, preferably with metal flashing. This is standard building construction. Do not caulk behind the crosshead in lieu of flashing.

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### Installing Siding Around Irregular Shaped Trim

#### Pilasters

1. Fasten the millwork directly to the house-wrapped sheathing using adhesive and fasteners. To prevent water entry behind the top of the brickmoulding, flash the top of the brickmoulding and pilasters.
2. Next, install exterior siding. At the point where the exterior siding terminates and the pilasters begin, leave a 3/16" gap and fill with a high quality, non-shrinking caulk.

#### Crossheads

When installing irregular shaped Crossheads, it is important to apply vertical strips of vinyl undersill finish trim to prevent moisture from collecting behind the millwork. Trapped water will deteriorate the surface of the wood or hardboard siding. Use adhesive and galvanized roofing nails to secure the undersill strips vertically every 16" - 24" to the back of the crosshead.

1. Position the crosshead 3/16" above the top of the brick mould to allow any moisture that might collect to escape.
2. Next, securely fasten the crosshead in place using adhesive and fasteners.
3. Finally, countersink fasteners and fill with plastic wood filler. Sand flush and touch up with paint.

**TIP:** We recommend using screws when securing the crosshead over the siding material. The extra holding strength of the screws along with the adhesive will securely hold the crosshead in place.

#### General Installation Notes

Any adhesives, sealants, fillers or paint used must be compatible with the material that is being installed (*see manufacturer's recommendations in the Finishing and Adhesives section below*). Always use corrosion-resistant mechanical nails or screws along with manufacturer's recommended adhesive product when installing all Fypon products. This combination provides a secure, long-lasting bond. Countersink all fasteners about 1/8" and fill with manufacturer's recommended filler. Exterior installations should be finished using a manufacturer's recommended caulk to prevent water infiltration behind siding, windows and doors. Some exterior installations, in particular new construction before siding is applied, may require a J-channel and/or flashing to prevent water infiltration. Installers must determine which installation technique is best for the specific situation.

#### Finishing and Adhesives

**Polyurethane (PUR)** – Depending on product location, always use interior/exterior-grade, PUR compatible adhesives, sealants, and fillers when installing Fypon products. Consult the manufacturer's recommendations for your particular climate and the substrate you are installing to. Fypon polyurethane products are factory primed, and applying a top coat using an exterior-grade 100% acrylic latex paint is required on all exterior installations.

**Cellular PVC** – Depending on product location, always use interior/exterior-grade, PVC compatible adhesives, sealants, and fillers when installing Fypon products. Consult the manufacturer's recommendations for your particular climate and the substrate you are installing to. If painting is desired, a 100% acrylic latex paint with a Light Reflectance Value (LRV) of 55% or higher must be used. **Applying paint with an LRV of 54% or lower will void the warranty.**

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#### IMPORTANT:

Please read these installation guidelines thoroughly before beginning installation. Please note that these guidelines are provided only to assist with the installation of Fypon moulding and millwork products. Modified procedures may be required in order to meet specific situations, unique applications and local building codes. The manufacturer does not, under any circumstances, warrant the installation of its products. Be sure to wear appropriate protective clothing, gloves and safety glasses when working with any tools. Installer should check for and relocate all electrical wiring within the proposed installation area, as needed (be sure to disconnect all electric power before working with any electrical wiring and follow all applicable local electrical codes and safety procedures).