

Marvin products are designed to comply with EU test standards for air infiltration, thermal performance, structural performance, and water tightness. To perform at these standards the units must be installed in a plumb and square condition, firmly fixed in the opening, and properly integrated into the structure's weatherproofing system.

A good installation practice ensures long term performance of the units, lowers maintenance costs and improves customer satisfaction.

Marvin products are factory glazed, available primed or unfinished timber, or with prefinished aluminium clad exterior.

**Delivery and Storage**

Door and/or window units should be inspected at time of delivery for damage and correct specifications. Units must be stored and placed in an upright position in a shaded, clean, dry and well ventilated area to avoid damage to the units. Marvin recommends leaving the packaging in place until the units are ready for installation. **WARNING:** Polyethylene should not be used to protect the units as it can trap moisture and result in potential damage to the units.

**Unit Protection Prior to Installation**

Cut down exterior timber casing on Marvin products must be treated with a compatible wood preservative per preservative manufacturer's instructions prior to installation.

**Fenestration Openings and Damp Proofing**

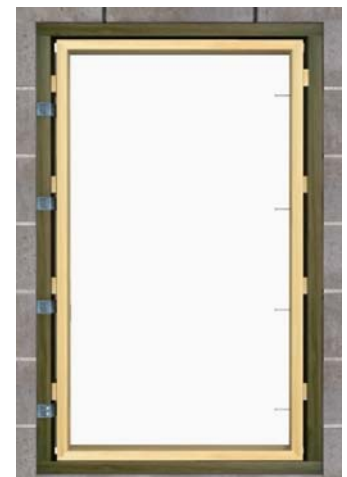
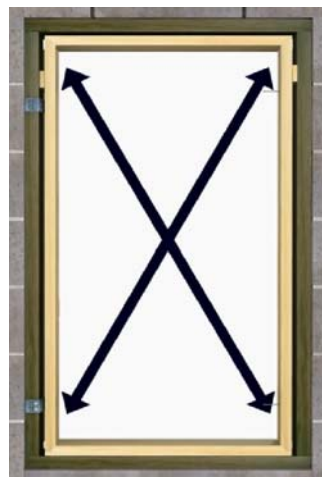
Marvin products are designed to be installed into preformed openings only. The preformed openings are to allow sufficient space around the perimeter of the door or window to allow fitting the unit in a plumb and square condition. Follow local codes or allow 12 - 24mm for opening width and 6 - 12mm for the opening height. The opening sill is to be leveled and sloped towards the exterior. Apply damp proofing in a lapped manner, directing moisture towards the exterior and away from the unit.

**Fitting and Fixing**

Remove all unit packaging and shipping blocks. Place the unit in the opening and insert side packing 100mm - 150mm from each corner, adjusting packing until the unit is square and plumb in the opening. Fix the corners of the units at the packing. Insert additional packing at 400mm intervals ensuring that the jamb is not bowed to the interior or exterior.

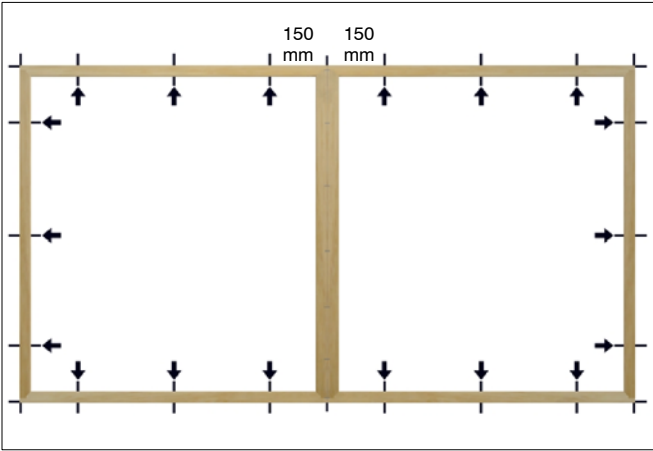


Square the unit; insert packing and fix at the corners



Insert packing at 400mm intervals and fix at each packing location

Operate the sash and, if necessary, adjust packing until the unit operates smoothly. Fix unit to the opening at each packing location. Note: Depending upon unit type and building type, the unit may be fixed through the exterior nailing flange, exterior timber casing, through jambs or with brackets.



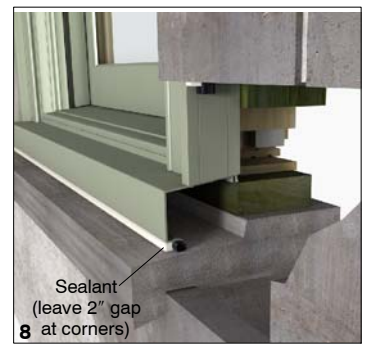
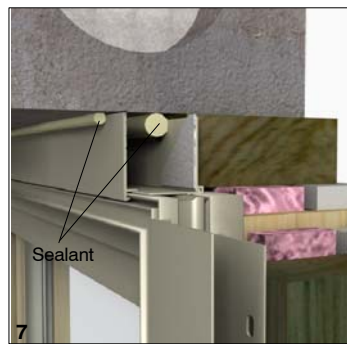
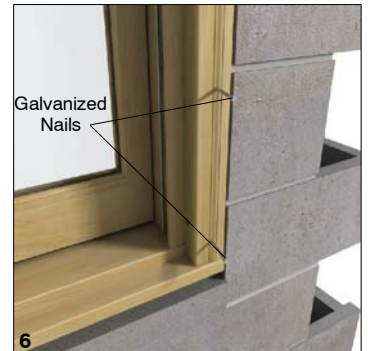
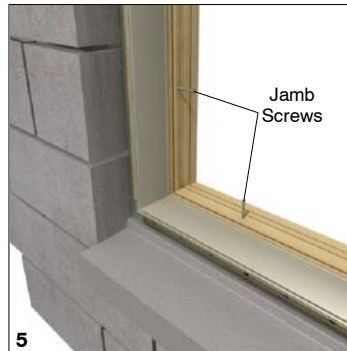
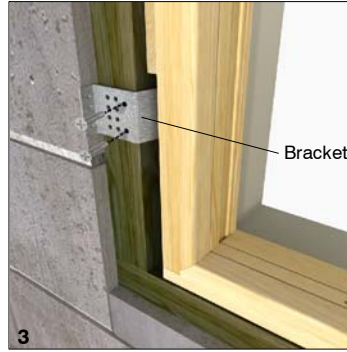
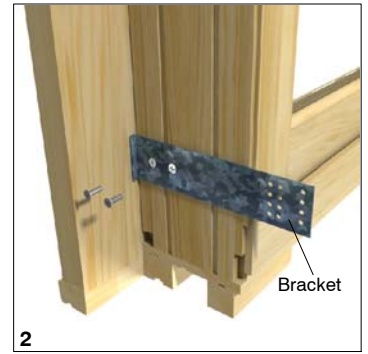
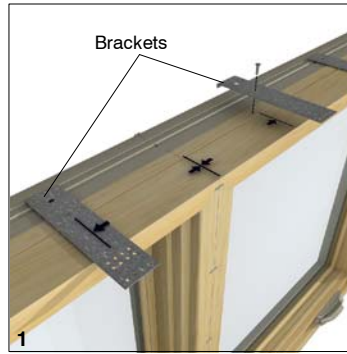
- Nailing flange fixing: 100mm from corners and 200mm on center. See illustration 4.
- Exterior timber casing fixing: 100mm from corners and 250mm on center. See illustration 6.
- Jamb fixing: screws or brackets 150mm from corners and 400mm on center. See illustrations 1, 2, and 5.
- Fix all mullions with screw through frame or brackets only. See illustrations 1 and 5.

**Sealing**

The gap between the unit and opening should be sealed at the head jamb and two side jambs to prevent water and air infiltration. The sill is to be integrated with a damp proofing system to allow moisture that may have penetrated the opening to escape. See illustrations 7 and 8.

**Decoration**

A durable finish coat of UV protectent material is to be applied to exposed timber as soon as possible after delivery or installation (preferably within days). Prolonged exposure of bare timber or primary/base coats will affect the long-term performance of subsequent coats.



A range of aluminium frame expanders are available for integrating windows to structures.

An optional range of decorative aluminium exterior casings and sills in traditional profiles are available for integrating windows to structures.