Vivid Sliding Doors

Field Applied Mulling Instructions

ABSTRACT: The following instructions are intended for use in assembling multiple wide and/or high configurations of Vivid Sliding Doors using field applied mull kits.

These instructions can be used to mull the following assemblies:

- VNSFD to VNPDG
- VNSPD to VNDG

Before You Begin

READ THESE INSTRUCTIONS THOROUGHLY BEFORE BEGINNING TO ASSEMBLE ANY VIVID UNITS. Failure to assemble as recommended will void any warranty, written or implied. Refer to specific product installation instructions for proper installation methods. For additional assistance on this or any other Marvin product, please contact Marvin Sales and Service Support.

NOTE: When specifying or considering the structural load requirements for Doors, it is important to consider the method of fastening the unit(s) into the opening. The methods contained herein may not be appropriate for all performance requirements. Selection of the appropriate fastening methods is the sole responsibility of the certified installer or authorized contractor

NOTE: Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number.

NOTE: Marvin does not recommend field mulling beyond the following limitations:

Sliding French and Patio Doors

- 1W2H maximum RO not to exceed 72-1/4" X 100"

WARNING!

Practice safety! Wear safety glasses or goggles and appropriate hearing protection when installing or performing adjustments to a Vivid product.

NOTE: Should it be necessary to order replacement parts for your Marvin unit, please contact your representative for details.

Tools and Supplies Needed

- Safety Glasses
- Power drill
- 3/16" Countersink bit
- Rubber mallet
- 3/16" drill bit
- 7/64" drill bit
- Caulking gun
- Hacksaw or chop saw
- Silicone sealant
- Phillips Screwdriver
- Clamps
- Hammer
- Hearing Protection

WARNING!

Improper use of hand or power tools could result in personal injury and/or product damage. Follow equipment manufacturer's instructions for safe operation.

VNSFD / VNSPD Mull Kit Parts

- 1 - Exterior Mull Cover (V1213)
- 2 - Head jamb/ Sill Mull Spacer (V2669)
- 2 - Jamb Mull Spacer (V2669)
- 1 - Aluminum Mull Pin (A330)
- 1 - Interior Mull Cap (V2668)
- 1 - Mull Tape
- 4 - 2" Pivoting Corner Key
- 2 - Nailing Fin Connector
- 8 - #6-20 x .563 Type AB Full Thread
- 12 - #8 x 1.25" Type A-17, Full Thread
- #8 x 3" Phillips head

NOTE: Lineal mull kit parts are 120" (3048) unless shipped via UPS or FED EX where lineal parts are cut down to 96" (2438).

Field Mulling

1. Secure the door in a rigid standing position. Remove the wing nut and shipping block from head jamb of the door. See Figure 1.

Figure 1

2. Remove the nailing fin/drip cap from the sill of the transom and the head jamb of the door.

3. Apply the mull sealant foam tape along the entire head jamb, ensuring it is 3/8" (10) from the exterior edge of the Ultrex frame. See Figure 2.

Figure 2

4. Loosen the two stationary bracket screws on the head jamb so the points will be just below the head jamb. See Figure 3.

Figure 3

5. Carefully remove the sill portion of the screw cover from the transom.

Seek Assistance

When positioning the transom onto the door, it will be necessary to have the assistance of another individual.

6. Position the transom on the head jamb of the door. Check to be sure that both ends of the transom sill are flush with the door head jamb. Apply clamps at each end of the interior side of the head jamb and sill to prevent movement. See Figure 4.

CAUTION!

Use caution until transom is securely fastened to the head jamb of the door unit. Failure to use caution can cause personal and/or product damage.

Figure 4

7. Ensure the mull pin kerf lines up on both ends. Drill out the outer edges of the nailing fin/drip cap kerf at the mullion with a 3/16" (5) drill bit. Clean fillings from drilled area to ensure easy installation of the mull pin. See Figure 5.

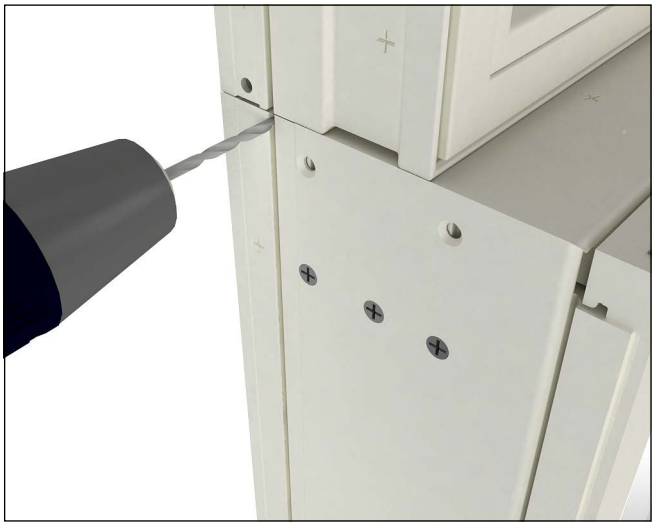

Figure 5

8. Insert mull pin the full length of the mullion ensuring that it is recessed 1/4" (6) to allow for sealant placement later. If necessary, drive the mull pin with a hammer. See Figure 6.

Figure 6

9. Using a tape measure, mark 4" (98) from each end of the transom sill and 10" spacing in between. Pre-drill through the sill of the transom with a 7/64" (3) bit to a depth of 1" (25) at every mark. Fasten the transom to the door head jamb using #8 x 1 1/4" (32) screws. Reapply the sill screw cover to the transom. See Figure 7.

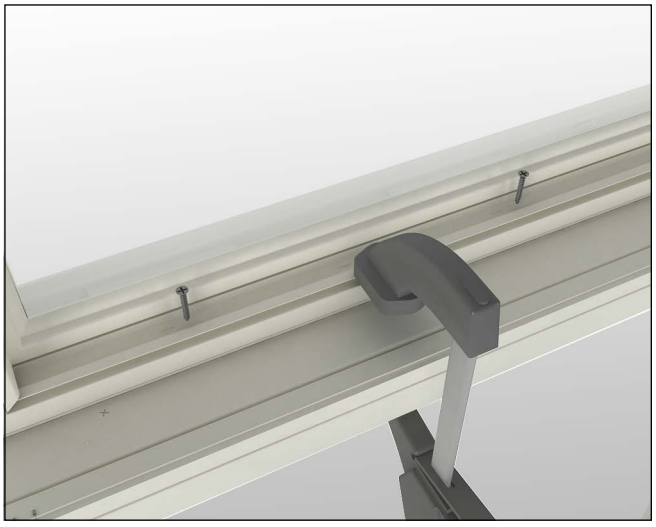

Figure 7

10. Cut the interior frame extender to the correct angle and length. Drill a 1/8” (3) hole through the first wall of the frame extender and countersink for the corner key screws. Holes should be located 1 1/4” (32) off end, and 3/8” (10) off the interior surface of the frame extender. See Figure 8.

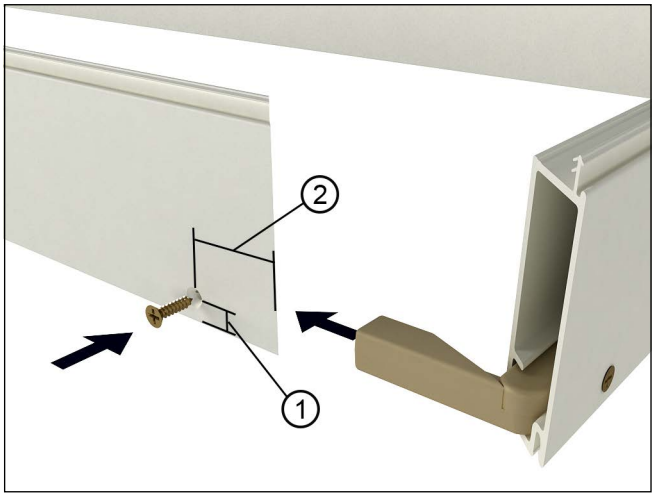

Figure 8

1	3/8" (10)
2	1 1/4" (32)

11. Insert the adjustable corner keys, and assemble the frame extender without screws and tap into place. Once frame extender is in place, drill 7/64” (5) pilot hole ½” (12) deep in to the corner keys at each hole location. Fasten with #6 x 9/16” (14) screws through pre-drilled holes. Insert the assembled extender onto the unit. See Figure 9.

Figure 9

12. Cut and apply the interior mull cover to the mull extender. See Figure 10.

Figure 10

13. Cut the exterior mull cover to allow a 1/16" (2) gap on the sides of the unit and install by tapping with a rubber mallet as show in Figure 11.

Figure 11

14. Apply silicone sealant at the mullion from the frame exterior edge to the drip cap/nailing fin kerf and across the kerf over the mulling pin as shown in Figure 12. Insert nailing fin and apply nailing fin connector.

Figure 12

15. Please reference installation instructions in conjunction with the following steps.

16. Remove interior jamb cover from stationary jamb. Measure down 1-1/2" from the uppermost recess of the frame and centered in the Jamb Cover Base and mark location. Once marked, drill a 3/16" hole through all walls stopping once through the frame. Fasten using the supplied #8 x 3" Pan Head, seating the screw tight to the Jamb Cover Base. Shims will be needed to control the RO to frame spacing. See Figure 13.

Figure 13

17. For the lock side jamb of an operator, measure down 1-1/2" from the upper most recess of the frame and centered in the recess, mark location. Once marked, drill a 3/16" hole though all walls stopping once through the frame. Fasten using the supplied #8 x 3" Pan Head, seating the screw tight to the frame. Shims will be needed to control the RO to frame spacing. See Figure 14.

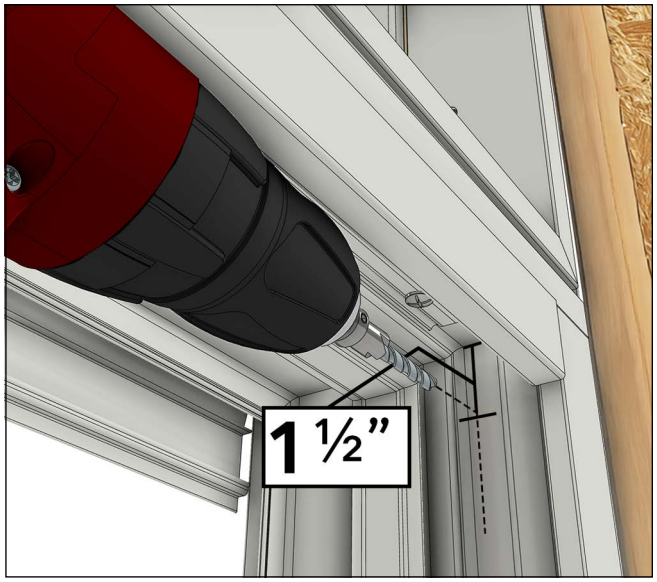

Figure 14

18. Direct Glaze Window: After removing the covers, make a mark 3" from the top of the sill screw cover and centered in the screw cover recess (roughly 1/2" from edge shown in image). Once marked, drill through all walls with a 3/16" bit. To allow for the head of the screw to seat on the exterior most wall, a 3/8" hole must be drilled through the first wall and ONLY THE FIRST WALL. (This step can also be completed with a #10 drill/ countersink bit.) Fasten using a #8 x 3" Pan head screw. See Figure 15.

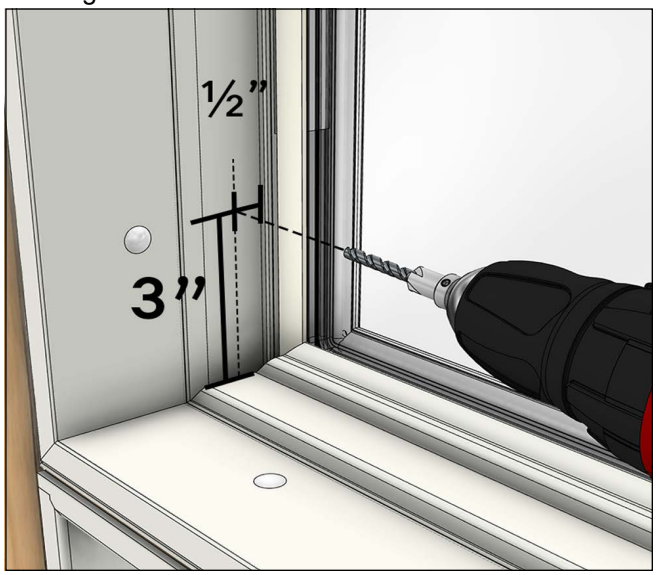

Figure 15