

Mulling Instructions for Applying Window Tops to Door Units

Mull Kit includes:

Mull Cap, Mull Extension (for Inswing and True French Door applications), Instruction Sheet

Additional Items needed:

Pliers, Power Drill and counter-sink bit for wood screws, Wood Clamps Rubber Mallet or Hammer and wood block, Screwdriver (Phillips head), Clear Silicone Calk

Preparation:

Verify the rough opening size prior to beginning. The opening must be large enough for both the door and top window unit. There should be approximately 1/2" clearance on the sides and top. **The door unit should be installed according to SunClad Door Installation Instructions prior to installing and mulling the transom.**



Snap off nail fin from top of door frame and bottom of window.

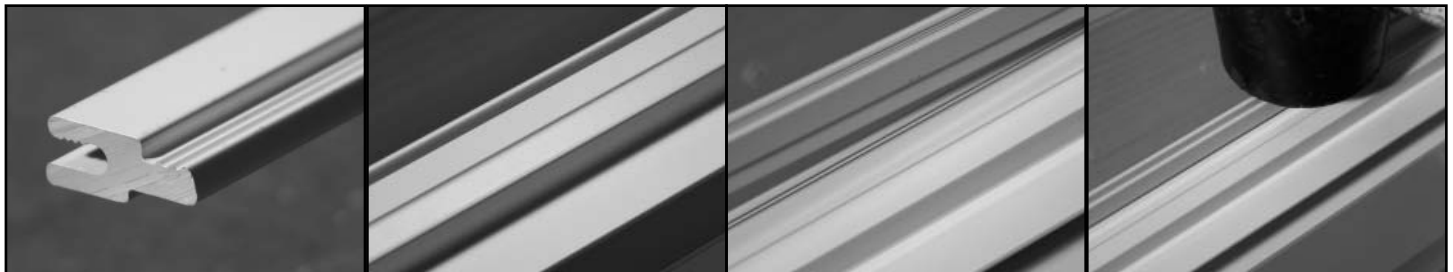
Step 1: Remove the nail fins.

Snap-off the nailing fin from the top of the door and from the bottom of the window. The nail fins are pre-scored and should snap-off by bending them forward and backward a few times. Use pliers to assist in this process.

Step 2: Apply Mull Extension & Spacer Shim (for SunClad Inswing and True French Doors only)

Locate the Mull Extension piece (see detail photo). The Mull Extension is right side up when the ridges on the male edge are facing up (see detail photo). Insert the male edge of the mull extension into the female receptor on the door frame (see photos). Use a rubber mallet or hammer and wood block to tap the piece into the receptor. The Mull Extension may be a little loose when in place, but it will tighten up once the Mull Cap is applied.

Note: Never use a hammer without a wood block to tap this piece in place. The Mull Extension, as well as the frame is aluminum, and will bend, dent and distort if impacted by a regular hammer.



Mull Extension

Fits in groove (female receptor)
at Top of Door Frame.

Insert Extension in groove

Tap into place

SunClad Inswing and True French Doors should have a 1/16" continuous wood shim applied to the top of the unit. This serves as a spacer for the mull cap. If it is not on the unit, apply 1/16" shims about every 12" across the top of the door frame.

Step 3: Set the Window

Apply a continuous bead of Window & Door Sealant to the back of the window nail fins (remaining nail fins on sides and top) . Position the window on top of the door, carefully aligning edges of the units so that they are even. **Note: the interior face of the window sill should be flush with the interior face of the door head.** Clamp in place.

Step 4: Fastening the Window to Door

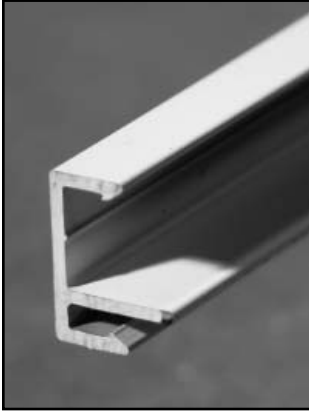
Fasten (wood to wood) the top window unit to the top of the door frame with wood screws or nails. Nails or screws can be applied from either the top side down or the underside up (installers preference). Counter-sink the heads and fill for finishing.

Now fasten the window to wall opening by nailing through the nail fins.

Step 5: Applying the Mull Cap

Type 1 (for Transom windows)

Locate the Mull Cap (see detail photo). Mull Cap type 1 is right side up when the wider gap is toward the top (see detail photo). Apply a bead of clear silicone sealant to the exterior face of the transom frame at the bottom of the window. This is the portion of the window frame that is covered by the mull cap. This helps prevent water from penetrating through the mull cap. Insert the Mull Cap with the bottom tab fitting into the receptor on the door frame, the middle tab fits between the door and the window, and the top tab fits over the receptor on window frame (see photos). Working from one end of the unit to the other, tap the Mull Cap into place with a rubber mallet or hammer and wood block. Fill the open ends between the door and the window with expanding foam. Seal the ends of the mull cap with sealant.



Mull Cap (type 1)



Position the window on top of the door frame.



Insert the Mull Cap



Tap into place

Type 2 (for Radius windows)

Position the door and window together, carefully aligning edges of the units so that they are even. Locate the Mull Cap (see detail photo). Mull Cap version 2 is symmetrical and will work with either edge up. Insert the Mull Cap into the receptors on the door and window frames (see photos). Working from one end of the unit to the other, tap the Mull Cap into place with a rubber mallet or hammer and wood block. Seal the ends of the mull cap, as well as the end seams between the door and the window, with sealant.



Mull Cap (type 2)



Position the window on top of the door frame.



Insert the Mull Cap



Tap into place

Note: Never use a hammer without a wood block to tap this piece in place. The Mull Extension, as well as the frame is aluminum, and will bend, dent and distort if impacted by a regular hammer.