



FLUSHGLAZE INSTALLATION INSTRUCTIONS (Typical)

Below instructions refer to 225 FlushGlaze framing. Same installation steps to be applied to other series when supplied as FlushGlaze framing.

1. CHECK FINISHED OPENING WIDTH AND HEIGHT DIMENSIONS. MEASURE AND CUT HINGE SIDE RN107 TO OVERALL FINISH OPENING HEIGHT. APPLY STARTER CHANNEL TO WALL USING DRYWALL SCREWS (BY OTHERS) EVERY 8"-10" APART BOTH SIDES. SET OPPOSITE STARTER CHANNEL FULL HEIGHT AND APPLY TO WALL ON SIDELIGHT SIDE.
2. MEASURE AND CUT RN107 STARTER CHANNEL FOR HEAD CONDITION TO INSIDE DIMENSION OF BOTH HINGE AND SIDELIGHT STARTER. APPLY STARTER CHANNEL FOR DOOR OPENING AND SIDELIGHT TO FINISHED OPENING AT HEAD USING DRYWALL SCREWS (BY OTHERS) EVERY 8-10" APART BOTH SIDES.
3. PLACE RN124 DOOR JAMB HEADER OVER STARTER CHANNEL AT HEAD. LEVEL AND SQUARE BEFORE PLACE RN124 DOOR JAMB HEADER OVER STARTER CHANNEL AT HEAD. LEVEL AND SQUARE BEFORE ATTACHING USING ST137 SCREWS 8"-10" APART BOTH SIDES.
4. MEASURE AND TRIM RN124 HINGE DOOR JAMB. PLACE OVER HINGE SIDE STARTER CHANNEL. LEVEL AND MEASURE AND TRIM RN124 HINGE DOOR JAMB. PLACE OVER HINGE SIDE STARTER CHANNEL. LEVEL AND ATTACH USING ST137 SCREWS 8"-10" APART both sides.
5. APPLY RA108 CLIPS ON BOTH SIDES AT JOINT TO SECURE HINGE JAMB AND HEADER
6. AFTER HINGE JAMB IS LEVELED AND SCREWED IN, MEASURE AND MARK DOOR OPENING WIDTH AT FLOOR FROM THE FACE OF THE HINGE JAMB.
7. MEASURE FROM FACE OF HEADER TO YOUR FLOOR MARK TO GET HEIGHT OF STRIKE JAMB. ONCE IT FITS, REMOVE SO THAT YOU CAN ADD OUR STRUCTURAL JAMB SUPPORT FLOOR CLIP (BY RACO) OR WOOD BLOCKING (BY OTHERS)
8. ATTACH FLOOR CLIP TO THE BOTTOM OF STRIKE JAMB USING SCREWS ONLY ON THE BACK SIDE OF THE DOOR STOP. PLACE STRIKE JAMB BACK IN ITS OPENING, ADD RA602 CLIPS (BOTH SIDES) AT THE TOP ATTACHING YOUR HEADER AND STRIKE JAMB. MAINTAIN DOOR OPENING WIDTH AND LEVEL BEFORE ANCHORING TO FLOOR USING 3/16" X 1-1/4" TAPCONS (BY OTHERS). IF USING WOOD BLOCKING, SEE OUR FLUSHGLAZE INSTALLATION VIDEO ONLINE.
9. SIDELITE HEADER: MEASURE 5/8" OVER FROM EDGE OF HEADER TO EDGE OF VERTICAL STARTER CHANNEL FOR LENGTH OF CASED OPENING SIDELITE HEADER. SLIDE CASED OPENING INTO POSITION AND ATTACH TO HEADER/STRIKE JAMB WITH RA602 CLIPS. ATTACH TO STARTER CHANNEL WITH ST137 SCREWS EVERY 8-10" APART BOTH SIDES.
10. GLAZING INSERT: MEASURE AND CUT INSERT AT STRIKE JAMB TO OVERALL HEIGHT (BOTTOM OF HEADER TO TOP OF FINISH FLOOR). AFTER IT IS CUT TO SIZE, INSERT IT INTO THE BACK OF STRIKE JAMB, MARK BOTH SIDES TO BE NOTCHED TO CLEAR CLIP/WOOD BLOCKING AS NEEDED. (RECOMMEND USING SNIPS AND DUCKBILL PLIERS FOR NOTCHING). ONCE NOTCHED, REINSERT INTO BACK OF STRIKE JAMB, REMOVE RA602 SET SCREWS AND REATTACH CLIP TO STRIKE JAMB/INSERT. FINISH ATTACHING USING ST137 SCREWS 8-10" APART BOTH SIDES.
11. INTERMEDIATE VERTICAL MULLIONS: MEASURE FROM INSIDE OF HEADER TO FINISHED FLOOR TO GET MULLION HEIGHT. ATTACH CASED OPENING WITH RA602 CLIPS TO SIDELITE HEADER. USE WOOD BLOCKING (BY OTHERS) TO SECURE AT FLOOR. REMOVE RA602 SET

SCREWS, INSTALL INSERT, AND REATTCH CLIPS. FINISH ATTACHING USING ST137 SCREWS 8-10" APART BOTH SIDES.

12. MEASURE AND CUT 1" TRIM TO FIT ON BOTH SIDES. NOTCH FOR CLIPS.

13. U-CHANNEL BASE: MEASURE FROM INSIDE OF STRIKE JAMB TRIM TO INSIDE OF SIDELITE TRIM FOR BASE DIMENSION. LAY BASE AT FLOOR, MARK BACKSIDE OF U-CHANNEL AT FACE OF CASED OPENING AND INSERT. CUT NOTCH IN U-CHANNEL WALL (RECOMMEND USING DREMEL TOOL). SET U-CHANNEL AT BASE TO VERIFY FRONT WALL OF U-CHANNEL IS FLUSH WITH FACE OF TRIM. ADJUST NOTCH AS NEEDED. PREDRILL HOLES IN BASE FOR ANCHOR SCREWS. ATTACH TO FLOOR USING 3/6" X 1-1/4" TAPCONS (BY OTHERS). IF USING INTERMEDIATE VERTICAL MULLIONS, U-CHANNEL BASE WILL RUN BETWEEN EACH VERTICAL.

NOTE: *Tape will not bond properly if dirt/debris is present at application site or if proper pressure is not applied during the process. It is important to provide adequate pressure to the tape after it has been applied to the framing surface and after the framing and glass are joined together. If framing has not been leveled, this may affect the ability to apply adequate/consistent pressure. A pressure of 15 lb/in² (100 kPa) or greater should be applied over the whole tape area to facilitate good contact of the adhesive to both substrates. Rigid surfaces may require 2 or 3 times more pressure to achieve >15 lb/in² (100 kPa) at the tape bond line.*

14. PREPARING FRAME FOR TAPE: CLEAN FRAMING WHERE VHB TAPE (SUPPLIED BY RACO) WILL BE APPLIED. USE DENATURED ALCOHOL OR 3M BRAND ADHESION PROMOTER/PRIMER (BY OTHERS). APPLY VHB TAPE TO FRAMING RUNNING TIGHT ALONG EDGE OF FRAMING, PRESSING AND SMOOTHING DOWN AS YOU GO. AT U-CHANNEL, NO TAPE WILL BE APPLIED. GLASS WILL BE WET GLAZED AT U-CHANNEL ONLY.

15. PREPARING GLASS FOR TAPE: CLEAN EDGES OF GLASS THAT WILL BE APPLIED TO TAPE/FRAMING WITH DENATURED ALCOHOL/3M ADHESION PROMOTER/PRIMER. DRYFIT GLASS TO ENSURE EASE OF INSTALLATION. MAKE ANY ADJUSTMENTS NEEDED FOR EDGE OF GLASS TO HAVE FULL CONTACT WITH TAPE PRIOR TO REMOVING BACKING ON TAPE. ONCE BACKING IS REMOVED AND GLASS MAKES CONTACT, BONDING WILL OCCUR AND BE DIFFICULT TO ADJUST GLASS PANES. REMOVE TAPE BACKING (USE BOX CUTTER/KNIFE AS NEEDED). VERIFY TAPE IS SECURED TO FRAMING. IF TAPE IS PEELING UP, REAPPLICATION OF TAPE WILL BE NEEDED. INSTALL GLASS PANE AND APPLY PRESSURE AT TAPE TO ENSURE PROPER CONTACT BETWEEN GLASS AND TAPE. ONE RACO RECOMMENDED METHOD FOR APPLYING PRESSURE IS TO USE ONE PERSON ON THE INSIDE OF THE FRAMING AND ONE ON THE OUTSIDE OF THE GLASS TO BOTH APPLY PRESSURE ON THE TAPE SIMULTANEOUSLY.

16. ALLOW ADHESION TO BUILD FOR 48 HOURS BEFORE CLEANING THE GLASS AFTER BONDING.

See FlushGlaze basic installation videos on our Youtube channel, RACO Office. See 3M VHB application information at https://www.3m.com/3M/en_US/vhb-tapes-us/resources/applying-3m-vhb-tapes/

*If you have any questions about installation on your project, please contact RACO at **800-272-7226**.*