
HENSELSTONE



Installation Instructions

1) Tools, aids, materials

- a) Red handle tool
- b) Special adjustment Allen Wrench
- c) Transport pads
- d) Pneumatic shims
- e) Installation screw bit
- f) Installation screws
- g) Butyl flashing tape
- h) White screw covers
- i) Expanding tape
- j) Expanding Construction foam
- k) Green vapor barrier tape

2) Preparation:

- a) Remove transport pieces from bottom of window and side of door frame. Simply remove the screw and slide out of profile. **Attention: Do not lean the units so that the shutter track has to carry weight. It will break!**
- b) Remove the upper hinge cover. Grab the top and bottom with your fingers and pull. The cover will pop off.
- c) Use your red handle tool. With the flat end push down on the top of the hinge. The hinge splint should move out at the bottom slightly. Slide the tip of the red tool over the slanted head and pull down. The hinge is now loose.

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- d) Use the other side of the red handle to open the door. Turn the lock 90 degrees towards the hinges. Make sure, somebody is pushing the sash toward the frame until you are ready. There is a risk that the sash falls out! **Attention: Never open a door or window with the handle not in a 90 degree position. The locks will break.**
 - e) Now lift the sash out of the frame. Make sure the sash clears the bottom hinge before you set it down. Otherwise it can bend. Use at least one other person. These sashes are equipped with bullet resistant glass and are extremely heavy.
 - f) Do the same for the other side on the French door. **Attention: The sashes, frames and glass should never touch a rough surface. Use the self adhesive transport pads anytime you lean the door or any of its components against a wall!**
 - g) Take the butyl flashing tape. Remove the brown adhesive protection strip and carefully glue the tape on one side of the unit so that the tape overhangs the frame on the outside of the unit by 3 inches. Cut it, so that on each corner one of the meeting tapes is 2 inches longer (later you have to seal the corners with the overhang). Repeat for all four sides.
 - h) Remove the white adhesive strip on the inside above the frame. **Attention: Do not remove the strip on the outside because you will not be able to install the unit.**
 - i) Now use the expanding tape. Cut the outside, so that you can unroll the tape. Remove the adhesive cover and glue the tape on to the exposed butyl right where you glued the butyl tape to the frame. Let the corners overhang 0.5 in. **Attention: The expanding tape takes from 1 minute to 1 hour to expand. Once it is expanded you cannot install the unit. We recommend to cool the expanding tape with ice (water does not affect it) before using it. It will give you more time to set the unit.**

3) Installation:

- a) Now install the frame in the opening. Use wooden shims to get it straight, level, and plumb. On the door, make sure you account for the finished floor level.
- b) Once the frame is properly shimmed, take the installation screws and fasten the frame. Start with one screw at the top left and check your levels. Turn the screw into the hole until you are flush with the vinyl frame. Then repeat with a screw on the bottom right. If the unit is still plumb, straight, and level, insert all screws into the pre-drilled holes. **Attention: If you had to remove a screw and re-adjust the levels, fix the frame through other screw holes and insert the removed once at the very end.**
- c) Push the screw covers over the screw heads.
- d) Lift the sash back onto the bottom hinge, then move sash into top hinge. Use the red tool to push the splint back up into the hinge. Lock the sash with your red tool. Repeat for the other sash on the French door.
- e) Use expanding construction foam (sparingly!!) to fill around the inside frame/wall gap.
- f) When construction foam has hardened trim as necessary and apply vapor barrier tape.
- g) Test the unit. It should open and close without touching the frame of locks all around.
- h) Pop on the hinge covers on and install the handles. **Attention: Do not torque the handle screws. It will negatively affect the locking hardware.**

4) **Sash Adjustment:**

- a) If the sash hits at the bottom, look at the lines and check whether the sash is just too low or sags. If it is too low, pull up the plastic cover on the bottom hinge. Use the Allen Wrench adjustment tool and turn the screw inside the hinge clockwise. The sash will lift up.
- b) If the sash hits at the top, lower the sash as described in a).
- c) If the sash sags, open it as wide as possible and find the adjustment screw above the top hinge. On a tilt unit the head is on the outside, on a turn unit the screw is located on top of the sash. With the adjustment tool turn the screw clockwise to lower the sash or counter clockwise to lift it.
- d) Pop the hinge covers back on and lock the units

5) **Shutter Adjustment:**

- a) With a wooden or plastic sharp tipped object pop the bottom cover loose. Remove to the top.
- b) If the shutter has rolled up too far, make it go around $\frac{3}{4}$ inside the box. Then pull the shutter back into its track and move down.
- c) Upper and lower stops can be adjusted on the remote. Please refer to Somfy installation instructions.
- d) Stops can also be adjusted on the motor itself. Take out all the screws on the side where the electric wire is coming out of the box. Remove the cover gently.
- e) The motor is in the exposed tube. Simply slide out and follow the adjustment instructions by Somfy. When re-assembling the shutter box slide the tube back into position and push the cover into position while the motor feeds into the tube. Make sure both sides of the tube are in the round openings in the side covers.
- f) Screw the cover tight and attach metal bracket to window frame with metal screws.