KP | BUILDING PRODUCTS LTD

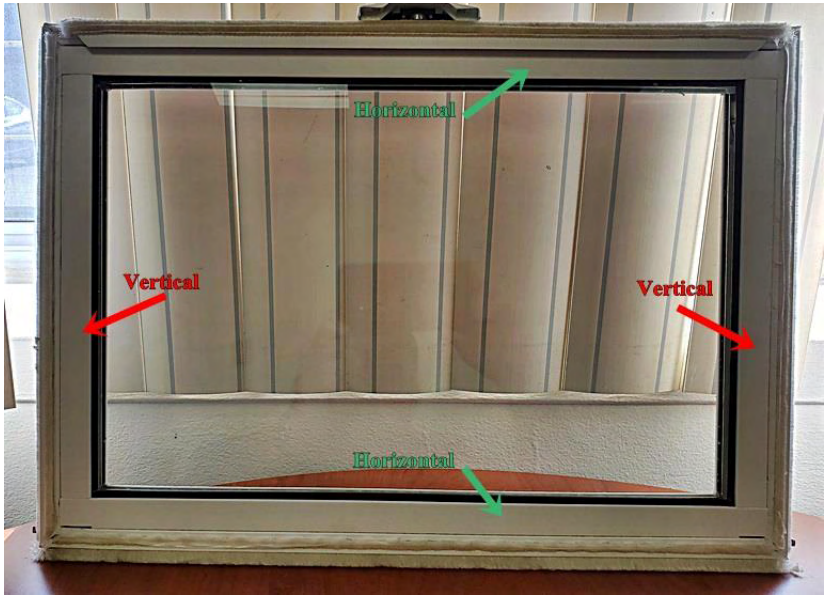
Window Division

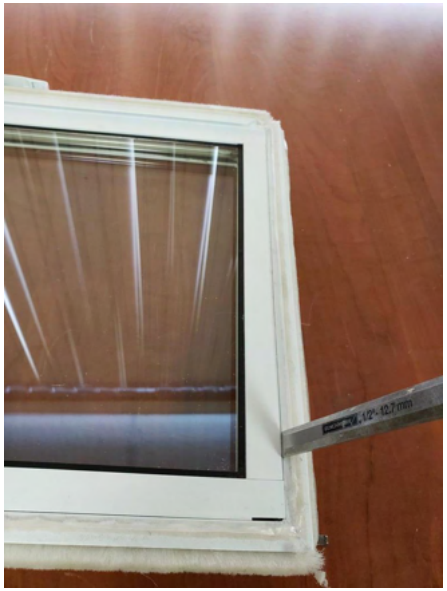
REPLACING THE SEALED UNIT (THERMAL) IN A SASH IS A MODERATE OPERATION THAT THE HOME OWNER CAN PERFORM WITHIN THEIR HOME WITH A FEW SIMPLE TOOLS

Approximate time to complete this operation: 20 Minutes
Level of difficulty to perform: MODERATE
Tools required: Gloves, 1/2” chisel, 1” putty knife,
Caulking gun, clear caulking

Step 1

With the double hung sash removed from the window the glazing stops must now be removed to begin the thermal unit replacement. Start with the vertical glazing stops. Use a sharp chisel to get under the stop by prying at the end or the side.
CAUTION: Never place your other hand in the direct path of the chisel in case the chisel slips.





Step 2

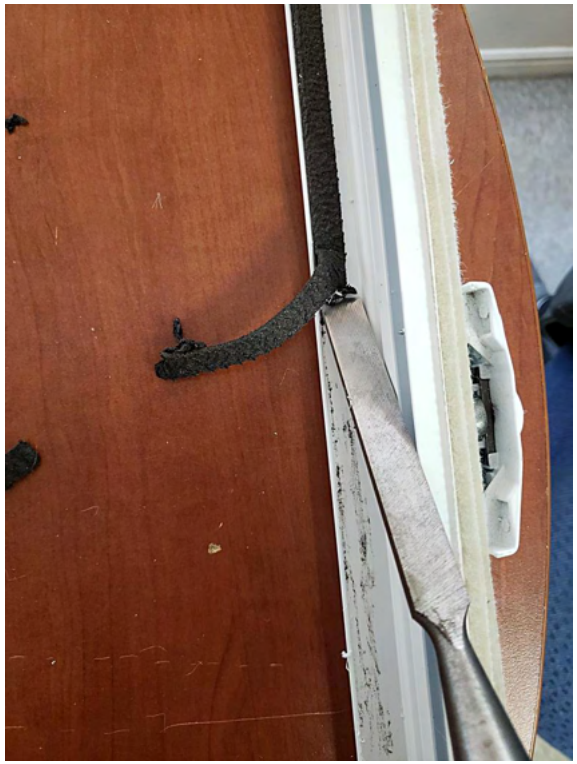
With the end of the glazing stop lifted carefully pull the stop off the rest of the way, use caution so as not to bend the stop as it will be reused at a later step. Once the vertical stops are removed, take and remove the horizontal ones as well.
Turn the sash over and using a 1” putty knife carefully slide the knife end fully under the edge of the assembly and pull across the thermal in order to cut all the glazing tape on the inside of the unit.

Step 3

Use caution and wear gloves during the next step if the thermal being replaced is cracked or broken. With all the glazing tape cut, the sealed unit may require a slight downward push to drop it fully out of the frame. Ensure that all the glazing blocks are kept and where they are installed (if they fell out). They are required when installing the new sealed unit.

Step 4

Using the chisel remove as much of the glazing tape residue as possible.
Caution: Use care to not remove any of the ridge that defines the viewing area.

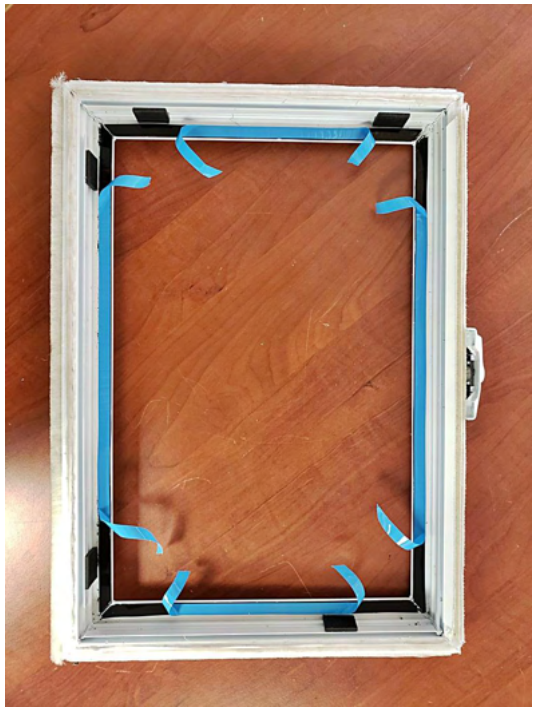


Step 5

Using 1/16” to 1/8” glazing tape, cover all 4 sides of the frame in preparation to installing the new sealed unit. Starting in one corner trim the glazing tape to roughly 45° to create the best possible seal. Do this in all the corners.

Step 6

Once the tape is installed on the frame pre-peel the tape for 2-3” on each end to facilitate removal once the sealed unit has been dropped in.
Put a deposit of silicone in each corner to create a seal in the area of where the glazing tape has been cut on an angle.



Step 7

With deposits of silicone in each corner, orient the new sealed unit so that the label is facing the inside of the house once installed and at the top of the frame.

NOTE: Sealed unit orientation is important to ensure any coatings on the glass are in the correct locations and that the gassing hole is at the top. Following this label placement guideline will ensure correct installation

At this point gently pull the glazing tape cover tape out from under the new sealed unit.

Step 7

Now the glazing stops must be re-installed starting with the horizontal (longer) pieces first (top and bottom). Starting with the corners snap the glazing stop into position using firm pressure with the thumbs, work towards the middle of each stop until fully seated.
Follow the horizontal pieces with the vertical ones. See the photo in step one to identify component orientation.
Turn the sash over and observe the small amount of squeeze out of silicone, this ensures that you have a good seal.

Step 9

Once this silicone is dry, it may be removed with the use of a sharp knife to score it along the sash frame.

NOTE: A full cure of the silicone will take place in about 1 hour at room temperature.

The sash is now ready to be installed back into the unit in the wall. You will now have completed the replacement of the sealed unit.

Enjoy the view!