EUROLINE

WINDOWS

The Art and Practice of Fenestration

GLAZING INSTRUCTIONS

Glazing Instructions

Fixed Windows

Tilt & Turn Windows

Casement Windows

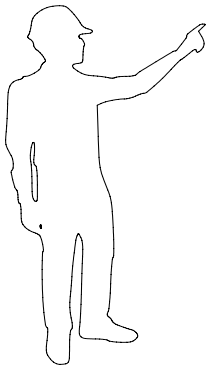
Awnings Windows

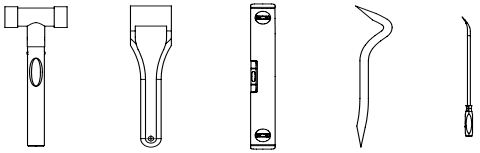
Sliding Doors

Swing Doors

Bi-Fold Doors

Shaped Units





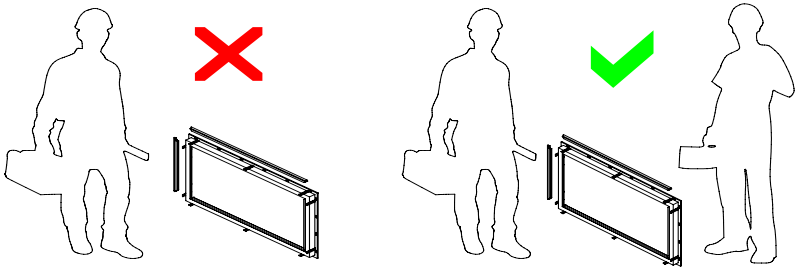
TOOLS:

Spirit Level
Glazing Shovel
Glazing Hammer
Flat Pry Tool
Vacuum

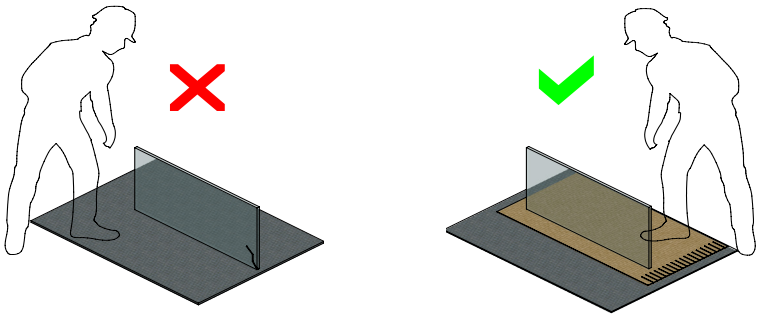
MATERIAL:

Shims may be purchased from EuroLine Windows.

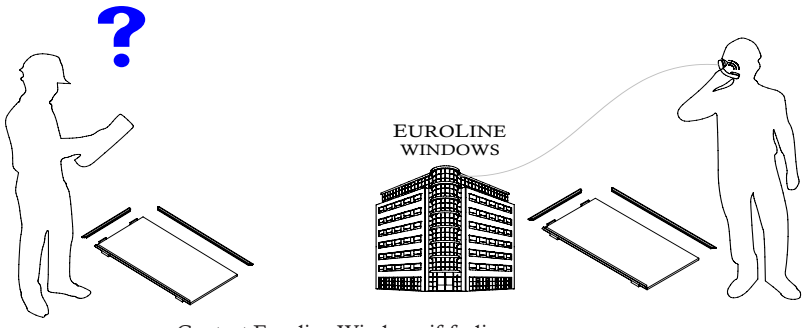
If using personal shims, ensure they are non-deteriorating, non-swelling, hard plastic (4”x 1 1/2”) of several thickness to suit.



Minimum 2 people required for installations



Only set glass down with protective barrier in place



Contact Euroline Windows if feeling unsure

Pre-Site Glazing Preparations

Important:

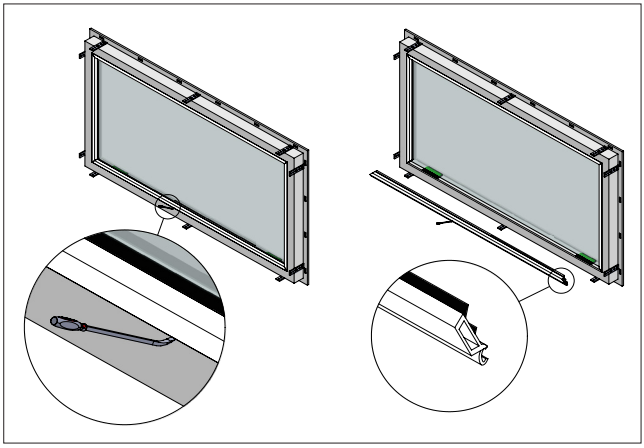
All steps must be performed to ensure that window is installed properly therefore mitigating future problems (drain blockage, distortions)

Caution:

Take extra care when handling foiled products to prevent scratches.

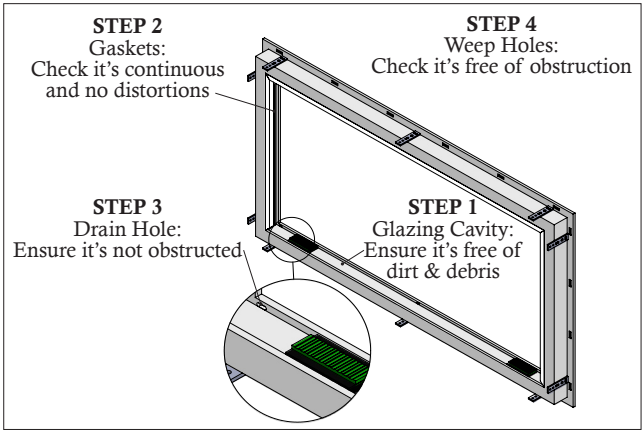
1. Remove the glazing beads

Glazing beads will be attached (or shipped) to unit. When glazing beads are pre-installed, pry attached glazing beads from the window frame using a flat pry tool, starting from the middle of the bead.

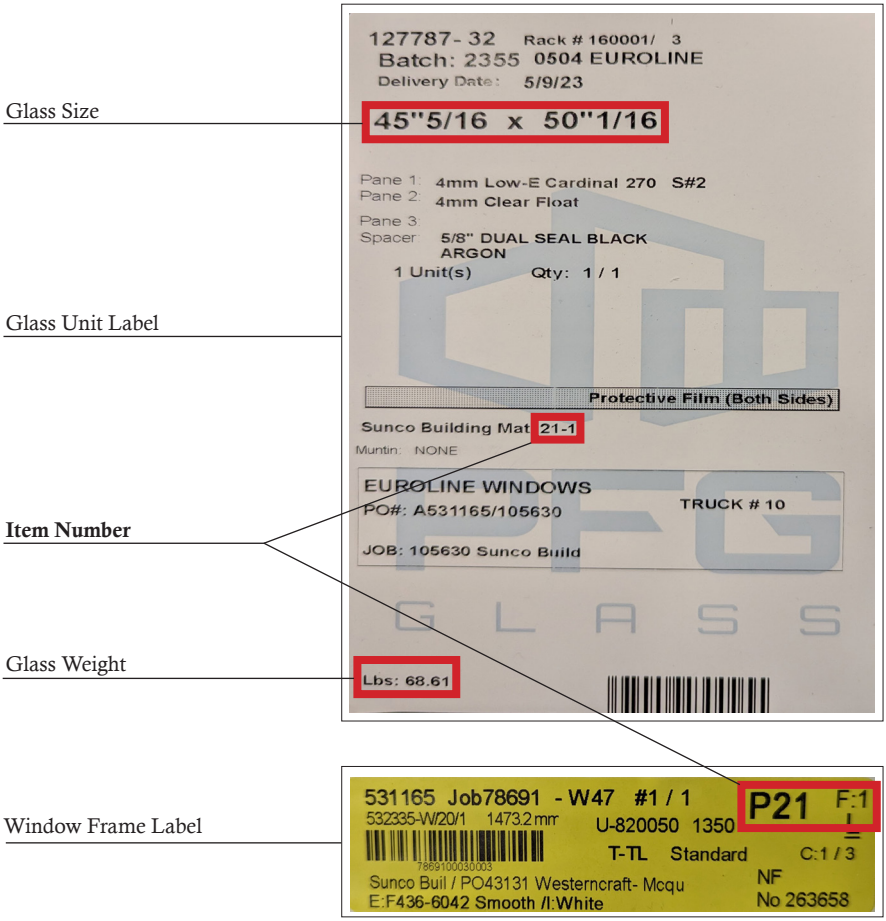


2. Clean contact surfaces

Use solvent and wipe dry using the "two-rag" method (to mitigate dust and debris on the glass and gaskets) in accordance to GANA and EuroLine's maintenance instructions.



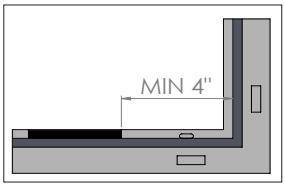
3. Ensure the correct window frame and glass unit combination



SITE GLAZING PROCESS

1. Follow below shim placement image for fixed/ picture windows glazing

Place 5 mm shims on the bottom. See pages 9 & 10 for glazing non-fixed windows and doors.



CAUTION:

It is recommended that site glazing procedure not be conducted in sub-zero temperatures due to risk of damage to glazing components.

IMPORTANT:

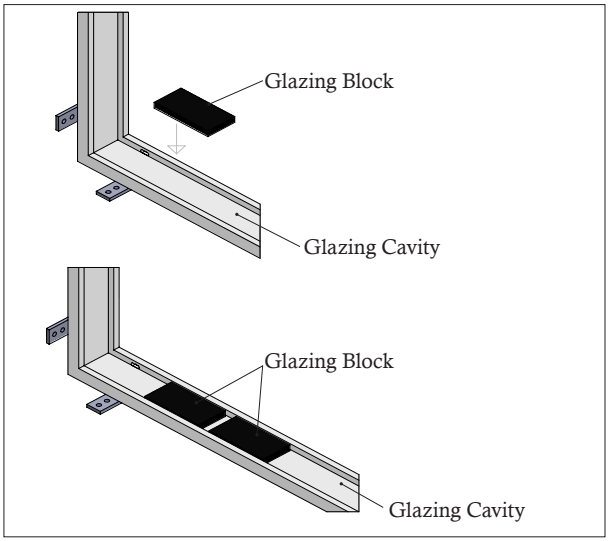
If setting blocks need to be replaced, the replacement setting blocks should be requested from EuroLine Windows.

IMPORTANT:

Larger windows (Over 6 ft. wide or over 100 lb) will have 2 glazing blocks beside each other on each bottom corners for improved weight distribution.

2. Place glazing blocks on the bottom glazing cavity of each window and door

Glazing blocks are placed in factory but may shift during handling/transportation. Therefore, ensure both glazing blocks are present and positioned correctly: 4" away from the inside of the corner.

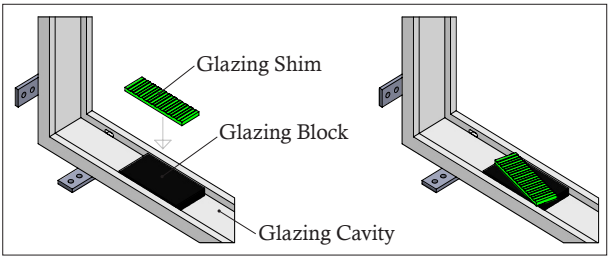


2. Place glazing shims squarely on top of each glazing block.

Glazing shims placed directly into the glazing cavity according to the shim placements chart shown on page 9&10.

IMPORTANT:

Careful not to catch the edge of the shim when pushing the glass in. Angling shims can assist in this process. (This eliminates damages to the glass).

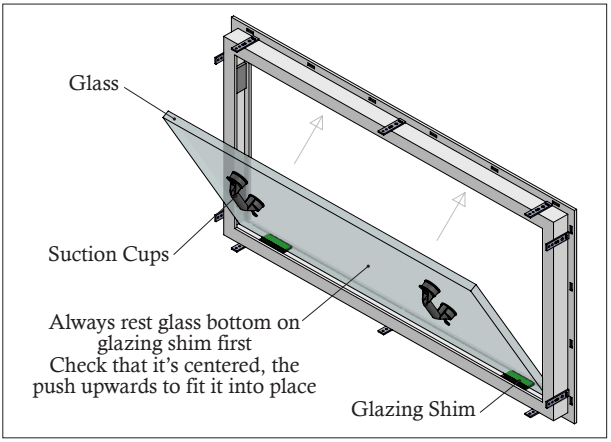


IMPORTANT:

Ensure the stickered glass side is facing the interior for correct glass installation.

Use suction cups to lift the glass into the frame for safe glazing.

3. Carefully place the glass back into the frame

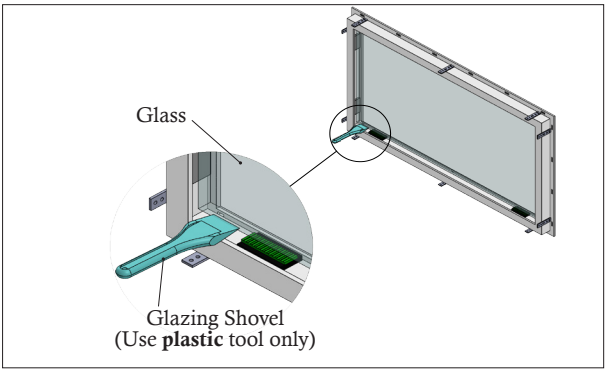


IMPORTANT:

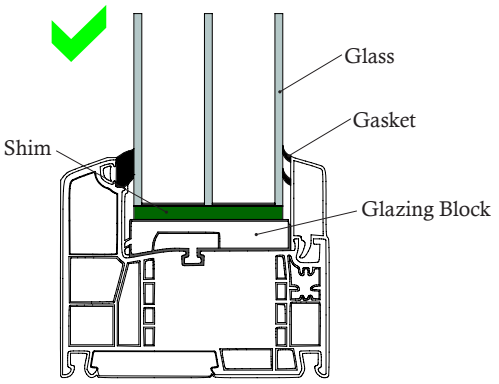
Ensure the glass unit is centered in the window frame and rests uniformly on both glazing blocks.

4. Using a glazing shovel, adjust the glass position until it's fitted into the right position

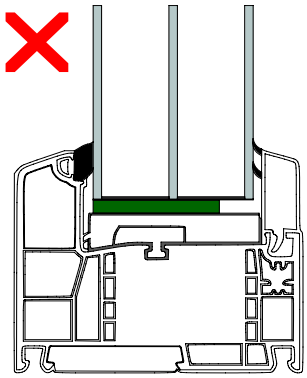
If shim it still angled, adjust to be straight.



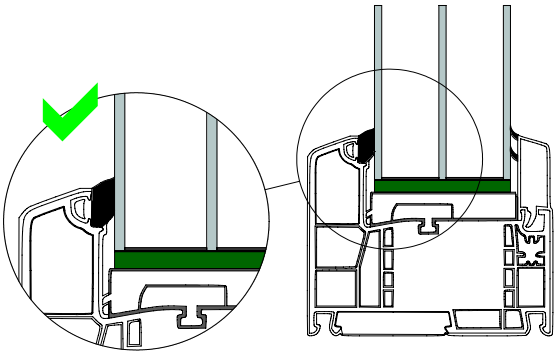
5. Check for correct shim and glass unit placement



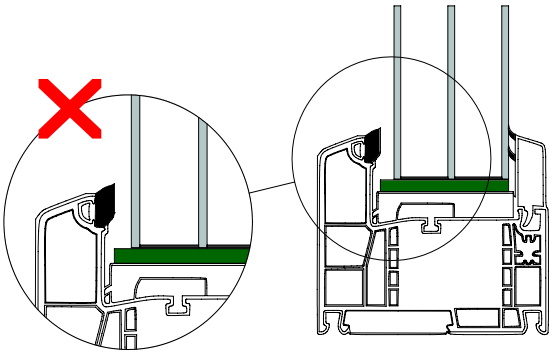
All glass edges resting on shim



Front glass panel edge not resting on shim
Solution - Use wider shim

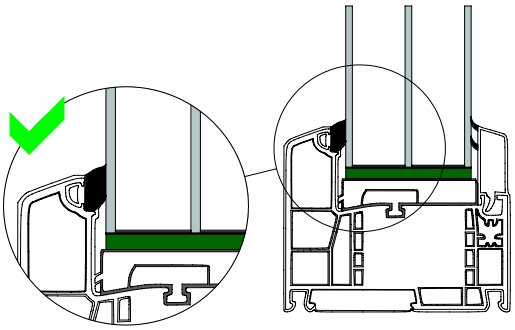


Glass flush against gasket

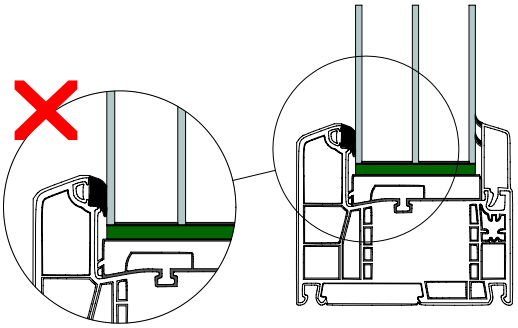


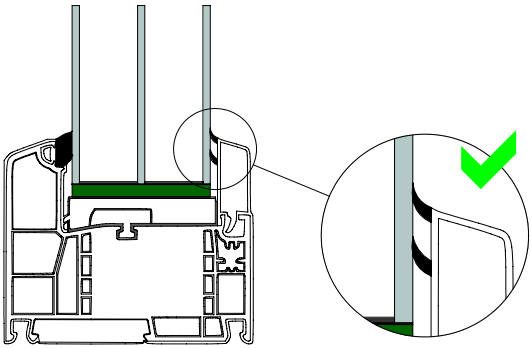
Glass not flush against gasket
Solution - Push until flush against gasket

Gasket compressed upwards

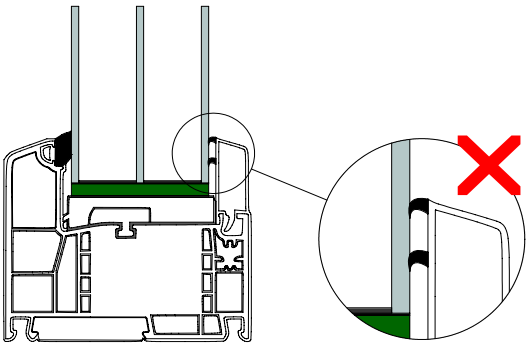


Gasket compressed downwards





Gasket compressed upwards



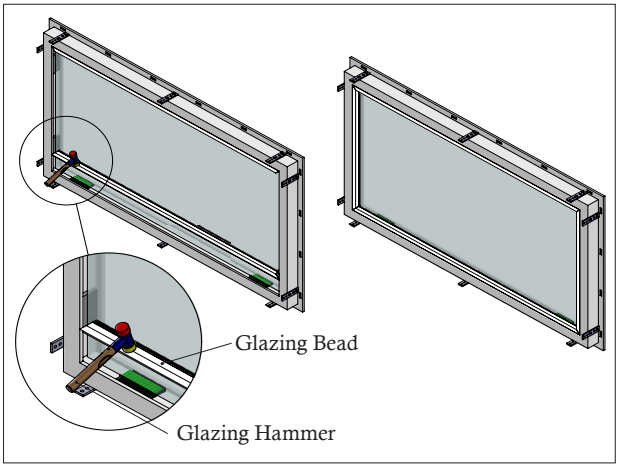
Gasket compressed downwards

CAUTION:

Support the bead against the force of hammering with a flat tool to keep it steady. This helps it stay in place and prevent deflection.

6. Reattach the glazing beads

Start with the placing the shortest glazing beads. Insert and tap the bead into place, moving from the ends and working your way to the middle from both sides.

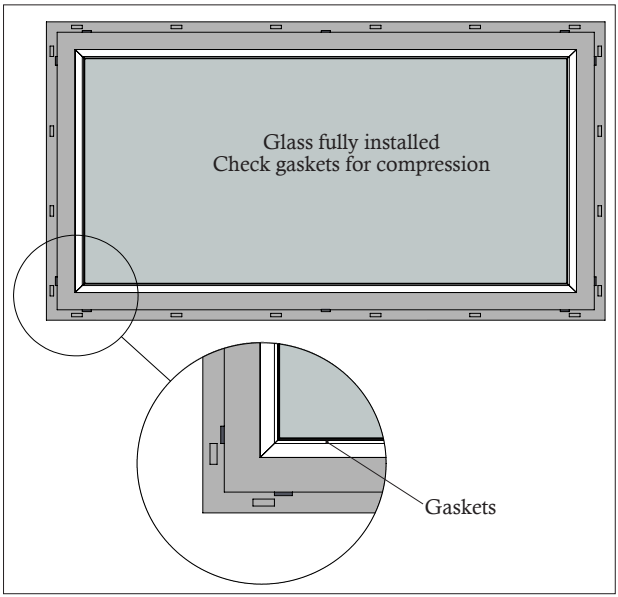


TEST:

Business card test - proper compression means that a business card cannot fit/ slide inbetween the glass and the gasket.

7. Check gaskets for consistent pressure

Both the interior and exterior gaskets should be reviewed for consistent pressure.



Crowning And How to Fix it

UNINSTALLED FRAME

Note:

Crowning is referred to as the bowing or warping of the window frame/sash that may occur during the site glazing procedure, handling or installation of the frame

IMPORTANT:

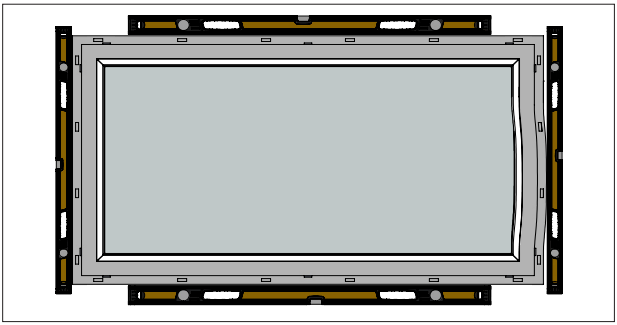
For larger windows, ensure you use a bigger heavy duty spirit level to check for straightness

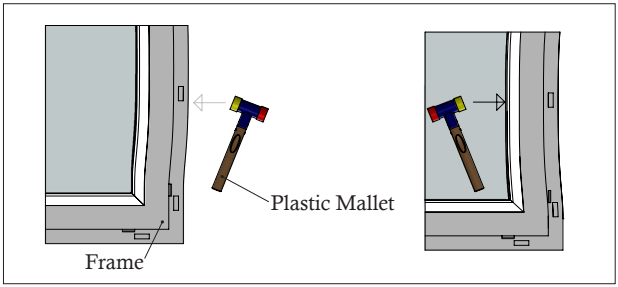
CAUTION:

Do not hit the glass when straightening the frame.

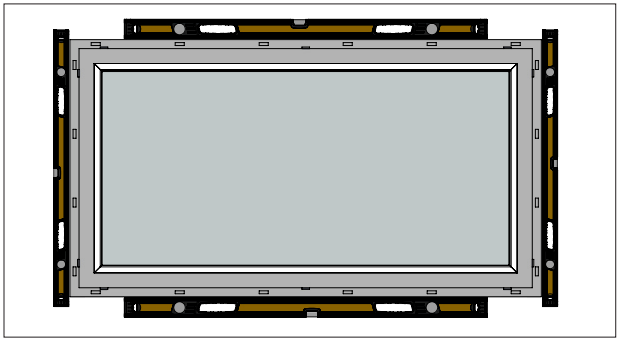
1. Using a plastic mallet, hammer the frame/sash / bead in the required areas until straightened

- Check all straight edges





2. Check the straightness of the frame using a spirit level. Repeat step 1 until it's straight before starting interior finishing work.



Installed Frame

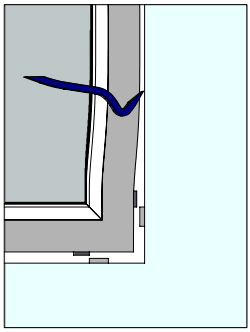
IMPORTANT:

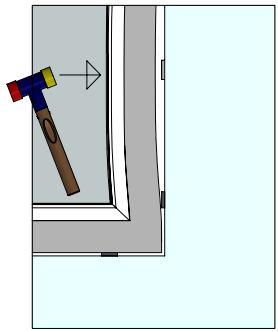
If there is a bow on an installed frame, straighten frame first

1. For outward and inwards bowing

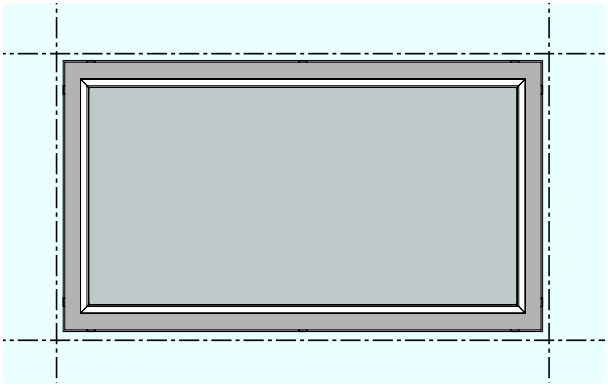
Outward - Wedge a U-shaped pry bar in the space between the frame and wall (Using the edge of the wall as a lever, turn the pry bar to straighten the frame)

Inward - use glazing hammer to tap on the glazing beads until it's all straight.





2. Check for straightness on all four sides using a laser level for straight edge before interior finishing work starts



POST SITE GLAZING CHECKS

1. Ensure both frame and sashes are straight

2. Ensure nothing is stuck between gaskets and glass unit (sticker, debris etc.)

3. Site glazing procedure for windows is now complete

SHIM PLACEMENTS

IMPORTANT:

If window is not operating well- it may be out of square. Adjust shims or call us.

Shim Visual Representations

Foam Pads

5mm Shim

4mm Shim

Critical Shim

Varied Thickness Shim

IMPORTANT:

Shim Numbered 4:

If out of square, adjust shim numbered 4
Ensure it's a firm fit
Shim thickness will vary based on squaring needs

IMPORTANT:

Do not force shims in.

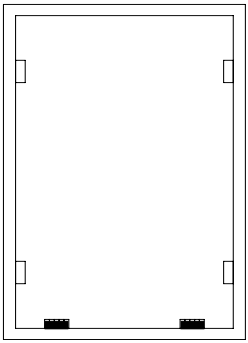
Shims generally have some thickness variation depending on the size of glass

For varied thickness shims, insert a shim that fits in easily without forcing it in

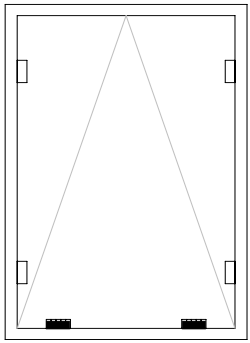
1. Shim placement for different products

Numbered shims are the primary support for each glass panel. Follow the numbered order to allow for squaring.

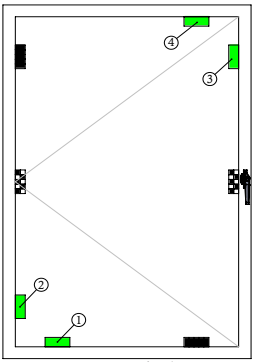
Shim size for number 4 may vary based on squaring needs



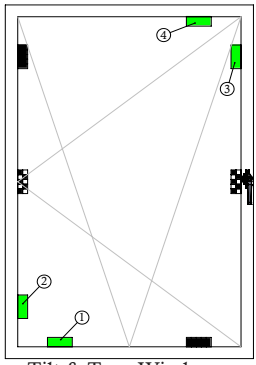
Fixed Windows



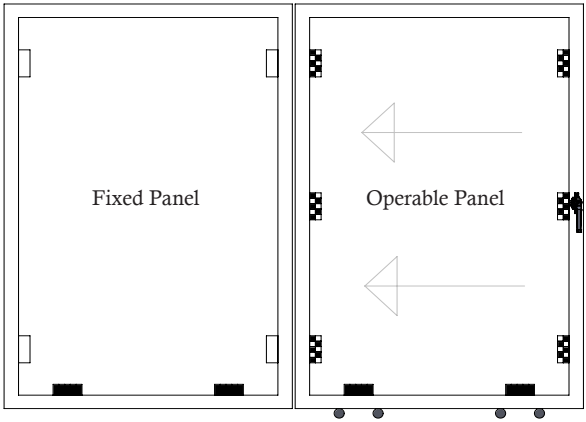
Awning Windows



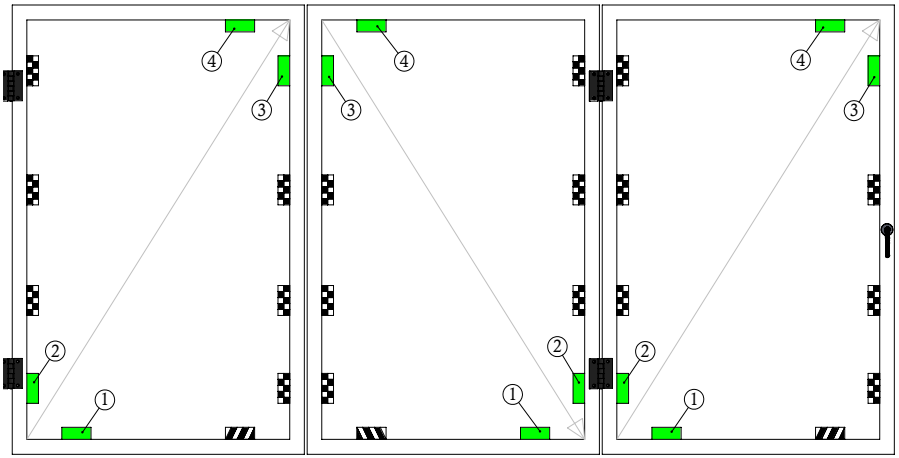
Casement Windows



Tilt & Turn Windows and Swing Doors



Lift & Slide, Smart Slide, Tilt & Glide and Multi Slide Doors

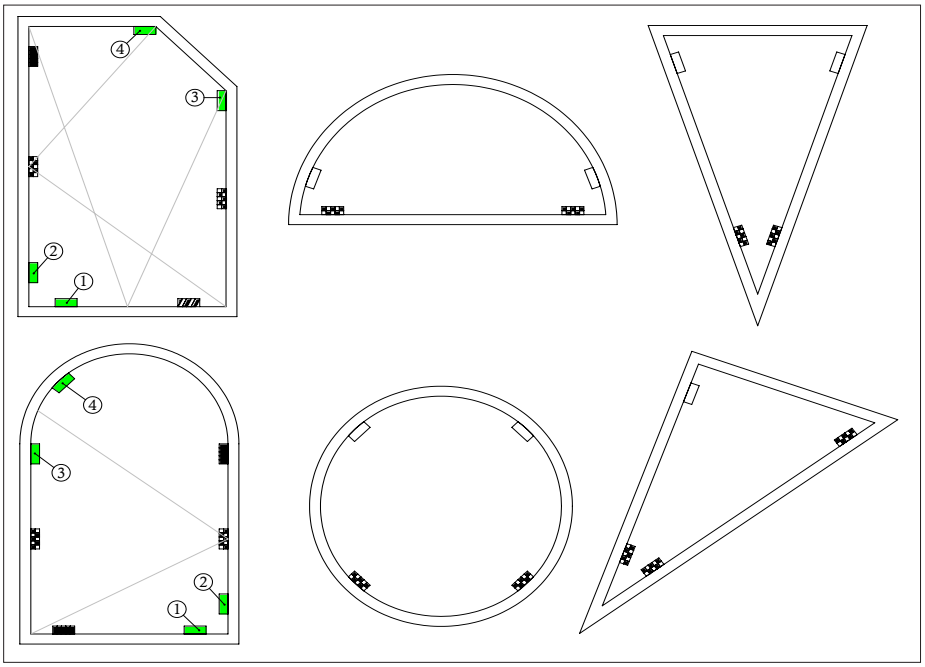


Bi-Fold Door

As a rule of thumb for differing configurations: 5 mm shims are placed on the bottom corner of load bearing hinge sides. Load bearing hinges are the ones that stay on the track when opening the door.

2.Shim placement for custom shaped windows/doors

-Shaped units are shimmed similarly to their corresponding product. For unique shapes, shims are paced wherever the weight is directed to



For more information on these quality products
please contact:

EuroLine Windows Inc.
7620 MacDonald Road
Delta, BC. CanadaV4G1N2

T. 604.940.8485
F. 604.940.8486
E. service@euroline-windows.com
W. www.euroline-windows.com
Toll Free: 1 800 337.8604

Other publications available from EuroLine Windows Inc. can be found on our website (www.euroline-windows.com).