



Ply Gem[®]



REPLACEMENT WINDOWS



IMPORTANT! READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

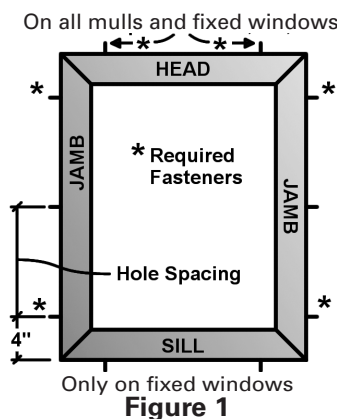
Follow your local building codes, customs and building practices for additional installation requirements. The manufacturer will accept no responsibility for air or water leakage above, under, or around the window unit. These instructions are general in nature; for detailed installation instructions by product, contact **Ply Gem Windows at 1-888-9PLYGEM.**

PREPARING THE OPENING

1. Dry fit the new closed and locked window (without the sill adapter or head expander) into the opening with the sill resting on the old sill. Make adjustments to the opening until plumb-level-square is assured.

PREPARING THE WINDOW

1. Single hung, double hung, and sliding windows may have pre-drilled installation holes. Hung windows may have balance covers that must be removed temporarily to access the holes. If the window has shipping clips attached, leave them on until installation is complete.
2. If your windows do not have pre-drilled holes in the jambs and head, you will need to drill them according to the schedule on **Chart A**.
 - Drill using a 1/8" to 3/8" step drill through the jamb at 4" from the head and another hole at 4" from the sill on each jamb as shown in **Figure 1**. Reference * marks in **Figure 1** to determine which screw locations are required.



- If you have a side-by-side combination window assembly, you must fasten additional screws in the head 4" on each side of the mullion and 4" from each jamb (see **Figure 1**).
- For positions of remaining required installation holes, see **Figure 1 and Chart A**.

SEALING AND INSTALLING THE WINDOW

1. For windows with sill adapters:
 - a. For windows with sill adapters and exterior flanges (**Figure 2, Type a**):
 - Use a pencil line to mark the sill, then apply sealant along the entire length of the sill to the interior side of the pencil line.
 - Trim the sill adapter to adjust for sill variation.
 - Align the vertical leg of the sill angle and fasten to the sill with screws or staples (not provided).
 - Install insulation on the sill since the void will not be accessible once the window is in place.
 - b. For all other window types, the sill adapter is installed later under Step 4 of section "Insulating & Finishing"
2. Apply continuous bead of exterior grade sealant along the interior face of the existing blind stop across the head where the new window frame will make contact.
3. If head expander is used, install it now (screws not provided).
4. Apply continuous bead of exterior grade sealant 1) along the interior face of the existing blind stops along each jamb where the new window frame will make contact, and 2) along the joint between the sloped sill and the existing stool.
5. Insert window from the interior into opening with the sash installed, closed, and locked.
6. Place shims at the required screw locations, confirm shimming and window position, then tighten all screws, compressing the vinyl frame against the shims. To prevent jamb bow, **DO NOT OVERTIGHTEN**.
7. Insert more #8 screws with at least a 1" penetration (may not be included) into all remaining installation holes.
8. Jamb jacks may be used on the jambs at this time if your product is equipped with them.

SILL ANGLE OPTIONS BY WINDOW MODEL

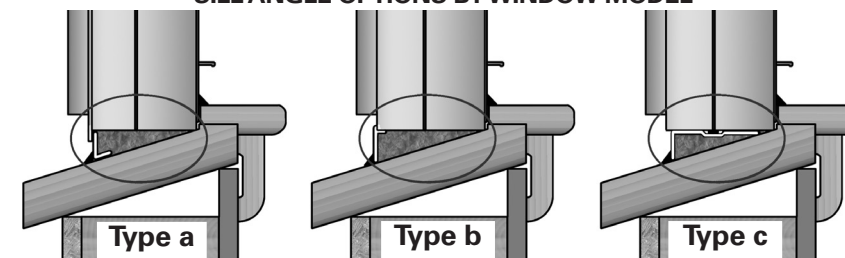


Figure 2

9. All double hung jambs and sliding windows heads require shims at the meeting rail(s) to prevent frame roll. A fastener or sealant is recommended to hold the shims in place. Avoid over-shimming which can cause sash binding.
10. Test window operation and adjust installation if necessary.

INSULATING AND FINISHING

1. Insert fiberglass batt insulation between the new frame jambs/head and the old framing. For foam insulation see precautionary note below.
2. Cover installation holes if covers come with your window model.
3. Install any interior window trim parts (if included).
4. If your window includes a sill adapter (on windows without exterior flanges), the vertical leg may need to be cut to length based on variation in the original sill. Insert fiberglass batt insulation between the new sill and the old sill.
 - For windows with an exterior accessory groove in the sill, insert the sill adapter tongue into the sill's exterior accessory groove and tap into place (see **Figure 2, Type b**).
 - For windows without an exterior accessory groove in the sill, use an L-shaped sill adapter (see **Figure 2, Type c**). Apply a 1/4" min. bead of exterior grade sealant along the full length of the trough on the top edge of the profile. Slide the adapter with batt insulation underneath up along the sloped sill until the adapter's top is flush against the new window sill's bottom, compressing sealant bead up against the sill of the replacement window.
5. From exterior, apply bead of exterior grade sealant at joint between new frame vinyl and old frame wood blind stops along head and jambs.
6. From exterior, apply bead of exterior grade sealant across sill at joint between sill adapter and old sill, then up the sides of the sill adapter, meeting the jamb-to-blind-stop sealant bead.



PRECAUTIONARY NOTES



- Store windows and doors oriented in upright position (not laying horizontally) in a dry, well-ventilated location not to exceed 6 deep and should be of similar size.
- Keep window and door units out of direct sunlight exposure during storage and remove protective films immediately after installation.
- Any low-expansion foam used should conform to AAMA 812-04 (see manufacturer's requirements), but any binding or damage of any type caused by the insulation will not be covered under warranty.
- Do not paint any vinyl part of this window for any reason. Painting vinyl will render null and void all warranties. Only Ply Gem factory painted vinyl windows are warranted. See warranty for painted vinyl windows.
- Do not use abrasive cleaners when cleaning vinyl.
- Do not block or seal weep holes.

CHART A - HOLE SPACING

	Jamb	Head	Sill
SH/DH	provided ¹	not required	not allowed
Sliding Window	provided ¹	at Meeting Rail	not allowed
Casement	20 in.	not required	not allowed
Awning	12 in.	16 in.	not allowed
Fixed	16 in.	16 in.	16 in.

¹ Quantity of pre-drilled holes may vary by brand or series.

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