



st. cloud window

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St. Cloud Window-900 Series Window Maintenance & Cleaning Instructions

Thank you for selecting St. Cloud Window products for your project. We are confident these products will continue to deliver the highest degree of trouble free performance for many years to come.

The only routine maintenance required is the washing of the sash/glass and aluminum frame surfaces to maintain good appearance. It is also important that the window sill be clean and free of any debris. Use only mild water based solutions of detergent or commercially available glass cleaning products. For Lexan glazing use only mild water based solutions of detergent only. Follow the manufacturer's recommendations for mixing or diluting solutions. **DO NOT USE ACIDS, SOLVENTS, ALKALINES, ABRASIVES, OR ANY OTHER HARSH CHEMICAL SOLUTION.** Do not attempt to remove any scratches before contacting the manufacturer for technical advice.

When cleaning your windows be sure to keep the sash and/or glass in the same order of removal and correct orientation for reinsertion into the frame. **Do not rotate, reverse, or turn upside down.**

WARNING – PLEASE NOTE: The glass in these windows is extremely heavy and may have sharp edges. Please use caution when lifting or handling sash or glass to avoid strain or injury. Always keep children and pets away from work area.

St. Cloud Window 900 Series Fixed Glass & Panel Insertion & Removal

General Notes:

1. Insertion or removal of fixed glass lites requires the use of pump-action vacuum lifters for safety and to reduce the possibility of damage.
2. Panel must be sealed against water penetration by means of permanent silicone elastic caulking sealant at the exterior. Moisture on exposed panel edges can cause significant deterioration of panel finish and performance.
3. Panels must be installed using flexible neoprene setting blocks providing at least $\frac{1}{4}$ " clearance around the panel perimeter to allow for thermal expansion.
4. Do not clean panels with any cleaner containing acid or harsh solvents and do not allow any type of acid to come in contact with the porcelain finish. Use of brick wash is cautioned. Panel should be test washed prior to use.
5. When glazing a monolithic Fixed Glass window additional glazing stops are required. See (Figure 4C) for locations.

Monolithic Fixed Window Air Space Cleaning

6. Place a towel across the width of the sill to absorb any excess water or cleaning solution, and wipe the frame sill surfaces completely dry. It is important to avoid a buildup of moisture in the sill of the window from the glass cleaning solution running down the surface. Allow some time for any moisture present in the airspace surface or in the sill area to evaporate. Clean the exterior and interior airspace glass surface thoroughly, inspecting each lite for cleanliness prior to completing the glazing.

Typical Fixed Frame Glazing

Prior to glazing find a safe place to set the glass or panel. Use wood strips or cardboard on the floor to protect the glass edge from damage. Always set the glass panel on edge, leaning against a wall or vertical support at a safe angle.

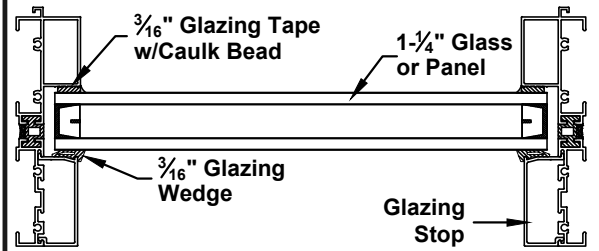
1. Secure glazing tape around the perimeter of the glazing leg. (Figure 6C)
Note: Vertical glazing sealant is cut to run the entire length of the jamb. Horizontal glazing sealant is cut to fit inside the vertical sealant. (Figure 5C)
2. Place setting blocks on top of the frame in the center (Figure 5C) at the sill located at $\frac{1}{4}$ points of the glass width from each corner, but no closer than 6" unless otherwise required.
3. Insert glazing, bottom first onto the setting block. Center horizontally and press firmly against the glazing tape.
4. Insert stops, first horizontals, then verticals. (Figure 6C)
5. Press glazing wedge between the stop & the glazing until secure. (Using Soap & water helps to insert the glazing wedge more easily).
6. Cap-bead frame to glass joint at the exterior. (Figure 6C)
* Hopper and Awning window installation instructions are similar. Follow Steps 1-6 of the typical fixed frame glazing. See shop drawings for glazing sizes.

Removal of glass or panel

1. Cut the cap bead on the exterior glazing leg with a razor knife the full length of the frame, all sides.
2. Remove the glazing wedge. Start by prying out a lower corner of either vertical wedge and then pull out the complete length. (Be sure to use a tool that will not scratch the finish) Repeat the procedure at all four sides. Set aside for reuse.
3. Remove the stop starting with the verticals and then the horizontals. This is accomplished by pushing inward, tilting and lifting starting at an end on the interior face of the stop to the frame. (Figure 6C) Set aside for reuse.
4. Use glass cups (pump action vacuum lifters) to remove the glass. Place so the handles are positioned for convenient lifting. Firmly grasp both sides, lift up and tilt the top inward. (Use only with glass, not panels). Set aside for reinstallation after cleaning or repairs are completed. This is all the disassembly required.

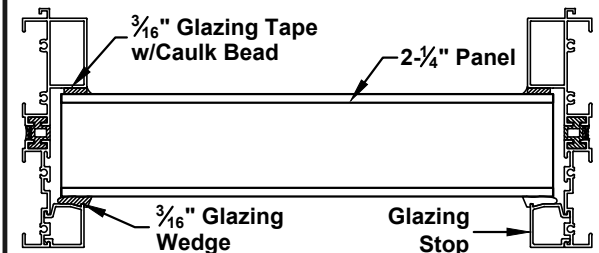
Installation Note:

Glazing sizes shown are typical. They are to be used only if not otherwise noted on the shop drawings.



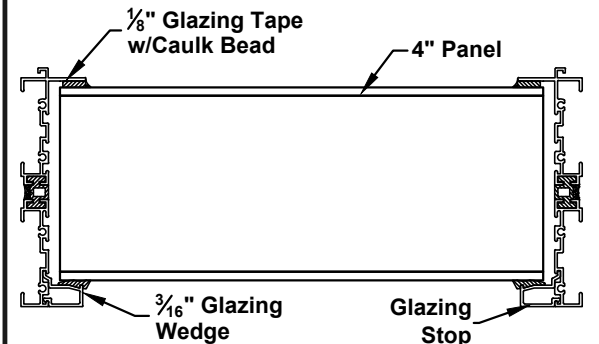
1 1/4" Glass or Panel

Figure 1C



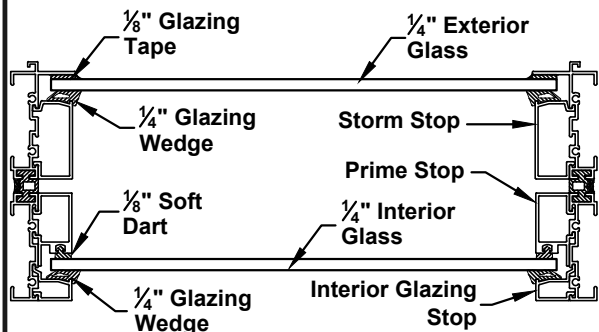
2 1/4" & 3 1/4" Panel

Figure 2C



4" & 4 1/4" Panel

Figure 3C



Monolithic Glass

Figure 4C

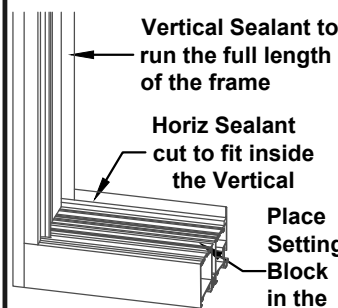


Figure 5C

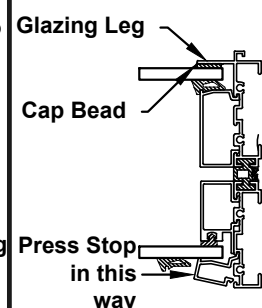


Figure 6C