

## Operating, Maintenance and Cleaning Instructions

### ENERGSAVE Windows

*Caution: Only a qualified window installer should perform window maintenance.*

#### Basic Description of ENERGSAVE window system

The G series window can be supplied with insulating glass or in a “split sash”/dual glazed configuration. The dual-glazed system can include optional 1” or 5/8” wide venetian blinds between the glazed sash. It is a thermally improved system that uses structural polyamide strips which is made from high performance 6/6 polyamide nylon with multi-directional 25% glass fiber reinforcement in a manner that eliminates direct metal-to-metal contact. The system includes fixed and operable (casements, hoppers, awnings) units. The design of master frame allow for multiple run combinations in an integral master frame of the various window types mentioned previously.

#### Features of the System:

1. 1 5/8” (G800), 3 1/4” (G200 & G600), and 4 1/4” (G500).
2. Flush Frame Design.
3. Mitered frame with adjustable corner key design.
4. Mitered vent corners with adjustable corner key design.
5. This system accepts from 5/8” to 1 3/8” insulated glass. Dual glazed/split sash systems are also available with access panel with 1/4” monolithic glazing.
6. Dry glazed, aluminum bead with Santoprene bulb.
7. Unique thermal extrusion cavity which holds two low conductance structural thermal polyamide nylon strips.
8. Powder coat finish.

#### Re-glazing

On casement windows, vent should be blocked out of square to allow for sag. Block the glass high on the lock side. Check setting block location when de-glazing for repair on fixed, awning or hopper windows glazing blocks are at quarter points.

*Caution: Only a qualified glazing contractor should perform the re-glazing of a window.*

1. First, remove the aluminum glazing beads. Cut heel bead around glass. Completely clean the aluminum frame of sealant. Clean frame with toluene or other approved material.
2. Remove the broken or failed glazing.
3. Check dry glaze gasket for tears and replace if needed.
4. Install new glazing.
5. Apply a small seam of Dow sealant to all frame joints where required, especially where gaskets meet. Sealant should be applied in all corners inside of the gaskets.

6. Install the setting blocks where they were previously located prior to de-glazing.
7. Clean the edges of the glass with toluene or other approved material, then install the glass making sure that it is sitting on the setting blocks properly and firmly pressed against the gaskets around its entire perimeter. Install backer rod around glass. Seal glass edge to frame with Dow 995, tool sealant flush with glass.
8. Check all aluminum glazing beads for nicks or dents that might interfere with their installation. Horizontal beads are to be installed first, then the vertical ones.

#### To lubricate:

1. Lubricate moving parts and hinges as needed with silicone spray.

#### Cleaning

1. The glass may be cleaned using commercially available cleaning solutions intended for this purpose.
2. The aluminum portion of the window should be cleaned in accordance with AAMA publication number 610 "Voluntary Guide Specification for Cleaning and Maintenance of Painted Aluminum Extrusions and Curtain Wall panels" or AAMA 609 "Voluntary Guide Specification for Cleaning and Maintenance of Architectural Anodized Aluminum." The publications can be ordered by contacting AAMA, the American Architectural Manufacturers Association at 1540 E. Dundee Rd., Suite 310, Palantine, IL 60067. Phone (708)-202-1350 or Fax: (708)-299-1480. Or visit their web site at [www.aamanet.org](http://www.aamanet.org).

#### Annual Maintenance/Record Keeping

1. Peerless recommends an annual inspection of your windows and installation by a qualified window installer.
2. Check the general appearance of the windows and installation; specifically noting the seal integrity of the insulating glass, proper locking and operation of the window, and all caulking surrounding the window. Check all fin seal weather stripping and Santoprene bulbs for condition and continuity.
3. Clean the window frame and glass as recommended in the "Cleaning" section.
4. Maintain a window log indicating the date of the annual inspection or any other service work performed on the window. Note the person(s) who did the work, the condition of each window, the specific location of each window, and what service work or cleaning was performed.
5. Submit a photostatic copy of this log when requesting any warranty service work.

## Operating, Maintenance and Cleaning Instructions

### ENERGSAVE GSD2 Sliding Door

*Caution: Only a qualified window installer should perform window maintenance.*

#### Basic Description of ENERGSAVE sliding door system

A Sliding glass door consisting of operating panels (X) and fixed side lite glass (O). Available configurations are as follows: XX, XO, OX, XOX, OXO, or OXXO.

#### Operation

To Open:

1. Rotate handle until it points towards the floor.
2. Grip the handle firmly and slide the panel to the desired open position.

To Close:

1. Grip the handle firmly and slide the panel to fully engage the frame jamb pocket.
2. Rotate the handle until it points towards the ceiling.

#### Maintenance

*Caution: Only a qualified glazing contractor should perform window maintenance.*

To remove operating panel: *(this panel will be heavy- use two people)*

1. Open the panel (see "Operation")
2. With screwdriver, remove dust plugs mounted on the top and bottom of meeting stile.
3. With a person positioned at each stile, carefully lift the panel up as far as it will go.
4. Swing the panel bottom into the room.
5. Lower the panel from the top pocket and bring the entire panel into the room.
6. Place the upright panel bottom on wood blocking and lean the panel against the wall.

To replace the safety glass in the operating panel:

1. After removing the panel, lay it on a carpeted table or sawhorses with interior side up.
2. Remove the four glazing beads.
3. Cut away the sealant from the frame.
4. Remove glass.
5. Clean the aluminum panel frame where the silicone sealant had been applied. Toluene or other approved material can be used.
6. Inspect glazing gasket for nicks or cuts. Replace if necessary.
7. Apply a small joint sealant to all aluminum-to-aluminum joints. Especially where glazing gasket meets glazing gasket.
8. Install the setting blocks as originally located prior to the de-glazing operation. (Usually setting blocks are located at the quarter points from each edge.)
9. Clean the edges of the glass with Toluene or other approved material, then install the glass.
10. Install backer rod around glass seal glass edge to frame with Dow 995. Tool sealant flush with glass.
11. Reinstall the glazing beads-horizontals first, then verticals.

### To remove the screen and replace the screen mesh:

1. Using a screwdriver to loosen the screen roller adjustment screws at both the head and sill of the screen frame prior to removing.
2. Remove the screen by pushing the top of the screen frame so that the sill of the screen frame is pulled free of its lower track towards the exterior.
3. Grasp screen frame and pull it down from the exterior of the door.
4. Lay the screen frame on a carpeted table.
5. Remove the old screen mesh and save the screen spline.
6. Apply the new screen mesh, 18 x 16 charcoal aluminum, bright aluminum, charcoal fiber glass, or 0.009" stainless steel mesh.
7. Roll in the screen spline and trim the excess screen mesh from the screen frame.

### To lubricate:

1. The sill, jambs and head of the door master frame should be cleaned and lubricated at least once per year (more often if local conditions dictate).
2. Lightly spray the sill, jamb, and head of the door with silicone spray. This will lubricate the operating panel and its hardware to help it operate more easily and smoothly.

### Cleaning

1. The glass may be cleaned using commercially available cleaning solutions intended for this purpose.
2. The aluminum portion of the window should be cleaned in accordance with AAMA publication number 610 "Voluntary Guide Specification for Cleaning and Maintenance of Painted Aluminum Extrusions and Curtain Wall panels" or AAMA 609 "Voluntary Guide Specification for Cleaning and Maintenance of Architectural Anodized Aluminum." The publications can be ordered by contacting AAMA, the American Architectural Manufacturers Association at 1540 E. Dundee Rd., Suite 310, Palantine, IL 60067. Phone (708)-202-1350 or Fax: (708)-299-1480. Or visit their web site at [www.aamanet.org](http://www.aamanet.org). Special note should be made regarding the damaging effects of muriatic acid, should the building be washed with it after the door installation.
3. To clean, use a mild non-abrasive cleaner and wipe down the interior pockets of the sill, jamb, and head of the door master frame. Also clean the four exterior and four interior surfaces of the operable panels.
4. A clean, soft cloth should be used to dry the frame and operable panels.

### Annual Maintenance/Record Keeping

1. Peerless recommends an annual inspection of your doors and installation by a qualified installer.
2. Check the general appearance of the doors and installation; specifically noting the seal integrity of the insulating glass, proper locking and operation of the door, and all caulking surrounding the door. Check all fin seal weather stripping and Santoprene bulbs for condition and continuity.
3. Clean the door frame and glass as recommended in the "Cleaning" section.
4. Maintain a door log indicating the date of the annual inspection or any other service work performed on the door. Note the person(s) who did the work, the condition of each door, the specific location of each door, and what service work or cleaning was performed.
5. Submit a photostatic copy of this log when requesting any warranty service work.

## Operating, Maintenance and Cleaning Instructions

### ENERGSAVE GTD2-GTD3-GTD5 Terrace Door

*Caution: Only a qualified window installer should perform window maintenance.*

#### Basic Description of ENERGSAVE terrace door system

An outswing terrace door consisting of one operating glazed panel. Glazed panel is factory pre-hung in an aluminum master frame with aluminum hinges. It can be either a left hand (hinges on the left when viewing from the outside looking in) or right handed (hinges on the right when viewing from the outside looking in).

#### Operation

To Open:

1. Rotate the key locking hardware to unlock the door.
2. Rotate the handle towards the floor and push the panel out to the desired open position.

To Close:

1. Pull the panel in to the full-closed position and rotate the handle towards the ceiling to permit the hardware to engage and secure the panel in the closed position.
2. Rotate the key locking hardware to lock the door.

#### Maintenance

*Caution: Only a qualified glazing contractor should perform window maintenance.*

To remove operating panel: *(this panel will be heavy- use two people)*

1. Open the panel (see "Operation").
2. With the person at each stile, carefully lift the panel up to disengage it from the hinges.
3. Bring entire panel into the room.
4. Place the upright panel bottom on wood blocking and lean the panel against the wall.

To replace the safety glass in the operating panel:

1. Remove the aluminum glazing bead in accordance with Peerless window installation instructions. Window installation instructions can be downloaded from [www.peerlessproducts.com](http://www.peerlessproducts.com)
2. On the interior side of the sash and fixed lite, use a utility knife and cut away sealant between the glass and aluminum frame member.
3. Remove the glass to the interior.
4. Clean the aluminum frame where the silicone sealant has been applied. Toluene or other approved material can be used.
5. Inspect gaskets for cuts or tears, replace if necessary.
6. Apply Dow Sealant to all frame joints and where gaskets meet gaskets.
7. Install setting blocks as originally located prior to the de-glazing operation, (Usually setting blocks are located at the quarter points from each edge.)
8. Clean the edges of the glass with toluene or other approved material, then install the glass, making sure that it is located properly on the setting blocks.

9. Install backer rod around glass. Seal glass edge to frame with Dow 995. Tool sealant flush with edge of glass.
10. Check all aluminum glazing bead for nick or dents that might interfere with installation. Install horizontal then vertical glazing beads.

#### To lubricate:

1. Lubricate moving parts and hinges as needed with silicone spray.

#### Cleaning

1. The glass may be cleaned using commercially available cleaning solutions intended for this purpose.
2. The aluminum portion of the window should be cleaned in accordance with AAMA publication number 610 “Voluntary Guide Specification for Cleaning and Maintenance of Painted Aluminum Extrusions and Curtain Wall panels” or AAMA 609 “Voluntary Guide Specification for Cleaning and Maintenance of Architectural Anodized Aluminum.” The publications can be ordered by contacting AAMA, the American Architectural Manufacturers Association at 1540 E. Dundee Rd., Suite 310, Palantine, IL 60067. Phone (708)-202-1350 or Fax: (708)-299-1480. Or visit their web site at [www.aamanet.org](http://www.aamanet.org). Special note should be made regarding the damaging effects of muriatic acid, should the building be washed with it after the door installation.
3. To clean, use a mild non-abrasive cleaner and wipe down the interior pockets of the sill, jamb, and head of the door master frame. Also clean the four exterior and four interior surfaces of the operable panels.
4. A clean, soft cloth should be used to dry the frame and operable panels.

#### Annual Maintenance/Record Keeping

1. Peerless recommends an annual inspection of your doors and installation by a qualified installer.
2. Check the general appearance of the doors and installation; specifically noting the seal integrity of the insulating glass, proper locking and operation of the door, and all caulking surrounding the door. Check all fin seal weather stripping and Santoprene bulbs for condition and continuity.
3. Clean the door frame and glass as recommended in the “Cleaning” section.
4. Maintain a door log indicating the date of the annual inspection or any other service work performed on the door. Note the person(s) who did the work, the condition of each door, the specific location of each door, and what service work or cleaning was performed.
5. Submit a photostatic copy of this log when requesting any warranty service work.