Owner's Manual - SunClad Swing Doors

Congratulations on your purchase of Sun Window Products!

Sun window and door products are designed to provide years of beauty, comfort, and energy saving performance for your home. The information in this Owner's Manual is provided to assist you in using and maintaining your Sun products. Please read all the information so that you can gain the maximum benefit from your Sun windows and doors.

Safety Information and Warnings!

Fall Prevention (Open Windows)

Warning! An open window is a possible fall hazard. Closely monitor children, feeble or week individuals, and pets around open windows.

Fall Prevention (Screens)

Warning! Window and Door screens are not designed to support weight and will not prevent falls. Do not lean against screens in an open window or door. Closely monitor children, feeble or week individuals, and pets around open windows and doors.

Glass Breakage

If the glass in your window or door product becomes broken, you can obtain replacement glass from Sun. Contact your Sun dealer or representative, or contact Sun directly to order a replacement I.G. unit. You will need to know the product name, size, glass description, grille type, pattern and color if grille system is in the I.G. unit. All of this information is available from the original invoice. Supplying Sun with the invoice number will help in obtaining the correct replacement.

Glass Caution

Warning! This product contains glass components which, if broken, can cause serious injury. Use extreme caution and keep children away from broken glass.

Tempered Glass Characteristics

Tempered glass is called "safety glass." It is more resistant to breakage than normal float glass and if it is broken, breaks into relatively small, blunt particles, which are less likely to cause injury. Approximately five times stronger than annealed glass of equal thickness. Greater resistance to thermally induced stress than heat strengthened or annealed glass. Suitable for use as a safety glass. Tempered safety glass is mandated in many window applications and all door applications. Suitable where safety glazing is required, for fire knockout panels, all glass entrances and where extreme wind loads are a concern. *Note: tempered glass is only used in windows and doors where specified.*

Product Performance Information and Warnings!

Chemicals and Cleaners

Do not allow any chemicals, chemical vapors, acids, cleaners, brick or masonry cleaners, abrasives, or other substrates to contact (directly or indirectly) any of the product surfaces, parts, and hardware. Deterioration or damage to the product may result. Protect all product surfaces, parts, and hardware during all phases of construction and finishing. Surface scratches as well as damage from any such chemical, chemical vapor, acid, cleaner, brick or masonry cleaner, abrasive, or other substrate is not covered by this warranty. Proper cleaning information is available in the Sun product Owner's Manual. See your Sun Window Dealer or Representative for more information.

Hardware Finish

The locks, keepers, operators, tilt latches, handles and hinges have either a painted or metal finish. Do not allow harsh abrasives, chemical solutions, or chemical vapors to contact the product hardware. These can damage the hardware finish, hardware material or hardware function. Scratches and chemical damage to product hardware are not covered under the warranty.

Glass Films or Coatings

Do not use any type of glass film or coating on insulated glass units. These films and coatings can create adverse conditions upon the insulated glass unit, which may result in glass breakage or failure of the insulated glass unit. The use of any glass film or coating will void the warranty.

Identifying Seal Failure

An Insulated Glass unit consists of two or more pieces of glass that are joined together with a sealed air space separating them. The sealed air space increases the thermal properties of the window. A seal failure is when a leak occurs in the seal that separates the glass. The main identifying characteristics of a seal failure is when a film of vapor or dirt becomes visible between the pieces of glass (inside the seal). See the Sun Warranty for more information on the Insulated Glass Warranty and seal failures.

Water/Moisture Management

Proper management of water and moisture is an essential part of any structure. All structures must have a functional, engineered drainage system as part of its exterior finished wall system. Sun Windows, Inc. cannot control or be responsible for water/moisture management beyond the product itself. All products manufactured by Sun Windows must be properly installed as described in Sun's installation instructions. All products manufactured by Sun Windows must be properly flashed and a complete vapor barrier applied to seal the product opening. Proper installation of drainage systems, flashing, water and vapor barriers are the sole responsibility of the owner or their agents.

Mold Prevention

Household mold and mildew can create an unpleasant living environment. It can be unhealthy. It can also be damaging to the building structure. Mold and mildew are the results of environmental conditions in the building, mostly high humidity. Prevention of mold and mildew can be achieved by properly managing water and moisture. See the section Water/Moisture Management for additional information.

Proper Installation

Improper installation will void the warranty. Please be sure to read and follow the Sun Installation Instructions provided with the product. If you did not receive Sun Installation Instructions with the product contact Sun Windows to request a copy before you install the product. Be sure to specify what products you are installing.

Condensation
Condensation (moisture or ice forming on the surface of the glass or frame) is the result high humidity within the house and cool air temperatures outside. Windows and doors do not cause condensation and, therefore, the occurrence of condensation is not covered by the warranty. Environmental conditions, humidity, water or ice on any product related surface, are not covered by the warranty. If condensation occurs, it is an indication that humidity levels within the house are improper and that measures should be taken to correct the environmental conditions within the home. See Sun's Condensation Information sheet for more information.

Product Application and Installation

Special Requirements
It is the responsibility of the customer to notify Sun Windows of any special requirements for product applications, including (but not limited to) egress size requirements, tempered glass or safety glass requirements. Sun Windows is not responsible for verifying building codes and requirements for the applications of its products. Always check your building codes for special requirements before you order.

Installation
All products manufactured by Sun Windows must be installed in accordance with Sun Installation Instructions. Compliance with these instructions is mandatory for proper performance of the product. Failure to comply with these instructions will void the warranty. If you do not have a copy of the installation instructions, you can obtain one from your Sun Window Dealer or Representative, or by contacting Sun Windows Customer Service, Sun Windows, Inc. / 1515 East 18th Street / Owensboro, KY 42303 / phone (270) 684-0691 / www.sunwindows.com.

Product Operation Instructions

In-Swing or Out-Swing Door Operation Instructions
SunClad Swing Doors open so that the door panel swings open via the side jamb hinges. In-Swing opens into the room interior. Out-Swing opens to the exterior. One wide panel units can be ordered left handing, right handing or fixed panel (non-operating).

To open a Swing Door:
1. Unlock the handle set.
2. Turn the handle downward and swing the door open.

To lock an Swing Door:
1. Shut the door.
2. Turn the lock (key outside, lock tab inside).

True French Door Operation Instructions
SunClad True French Doors are two panel door units with one main active panel and one passive panel. The main active panel can be ordered as either the right or left panel. The passive panel can be opened after the main panel for wide access. Both panels open into the room interior.

To open an the Main Panel:
1. Unlock the handle set.
2. Turn the handle downward and swing the door into the room.

To open the Passive Panel:
1. Open the Main Panel as described above.
2. Release the head and foot bolt by activating the passive panel handle (turn it downward).
3. Swing the panel into the room.

To lock an True French Door:
1. Shut the door (passive panel first).
2. Turn the handle upward to engage the head and foot bolts (passive panel only).
3. Turn the lock (key outside, lock tab inside).

Product Adjustment Instructions

Adjusting the Door Hinges on Swing Doors
SunClad Swing Doors have adjustable hinges. These hinges allow for 3-way adjustment of the door panel. Detailed instructions are available separately. Go to www.sunwindows.com to download the PDF file.

Cleaning Instructions

Cleaning the Glass
Use typical household glass cleaner and a soft cloth to the clean the glass.

Cleaning the Metal Surfaces
The SunClad exterior aluminum should be washed occasionally with a mild soap and water solution and rinsed with a gentle spray of water.
Metal hardware surfaces can be cleaned with a cloth dampened with a mild household cleaner, then polished dry with a clean soft cloth.

Cleaning the Vinyl Surfaces
Clean with a mild soap and water solution and a soft cloth.

Cleaning the Wood Surfaces
Painted and stained wood surfaces should be cleaned according to the finish manufacturer's instructions.

Cleaning the Screens
Remove from the window and wash with a mild soap and water solution. Rinse with a gentle spray of water.

Cleaning Sliding Panel Tracks
Keep bottom and top tracks clean on Sliding Doors. Periodically remove all dirt and debris from the tracks.

Maintenance Instructions

Removal of Sun Label
The Sun label can be easily removed by simply peeling it from the glass.

Grille Removal and Installation Instructions
Removable wood grilles are attached to the window using sliding push-pin clip that fits into a notch at the end of each grille bar. To remove the grille simply slide the push-pin clip in the notch to disengage it from the wood stop on the sash or panel. Do this for every push-pin clip on the grille. Once all of the push-pin clips are disengaged the wood grille can be lifted out of the sash or panel. Be careful when handling wood grilles, they can brake. Do not use excessive force to remove or installing the grille.

Lubricate Door Hinges
Periodically lubricate door hinges with light coat of silicone lubricant.

Painting Instructions

Painting Instructions for Wood Surfaces
All wood surfaces (with the exception of double hung sash sides) must be properly finished (painted or stained and sealed). Do not paint the sides of double hung window sashes. Do not paint vinyl surfaces or weather seals. See installation instructions for further painting information. To comply with the limited warranty, the consumer must protect and properly care for all wood items against moisture, high humidity, or excessive dryness.

Painting Instructions for Exterior Aluminum
The factory finish on SunClad window and door products does not require additional painting. If you want to paint the exterior aluminum surfaces of your SunClad products, the factory finish will serve as a good base for painting. Use only high quality exterior paint and follow the paint manufacturers instructions for applying the new finish. Do not paint any vinyl surfaces, weather stripping or hardware.

Painting Instructions for Vinyl Surfaces
Do Not paint any vinyl product or vinyl surface. Doing so will adversely affect the product and void the warranty.

Paint-matching instructions
Due to the many variables involved in painted products and matching paint colors, it is recommended that you take a sash or sample of the product to your local paint supplier for color matching

Certifications

Sun products are certified in accordance to the following programs and standards.

WDMA Hallmark Certification Program
NFRC (National Fenestration Ratings Counsel)
ASTM

Warranty Service Information

Sun Product Warranty
All Sun products are covered by a Sun Limited Warranty. Complete Warranty and Warranty Service details are available online at www.sunwindows.com or from your Sun Window Dealer.

Contact Information Sun Windows, Inc. / 1515 East 18th Street / Owensboro, KY 42303 / office: (270) 684-0691 / web: www.sunwindows.com