

# SWING DOORS



# HSEQ

Wear the necessary personal protective equipment for product installation.

Take safety precautions when performing the activity.

Work tools must be used properly.

Check tools conditions before using them.

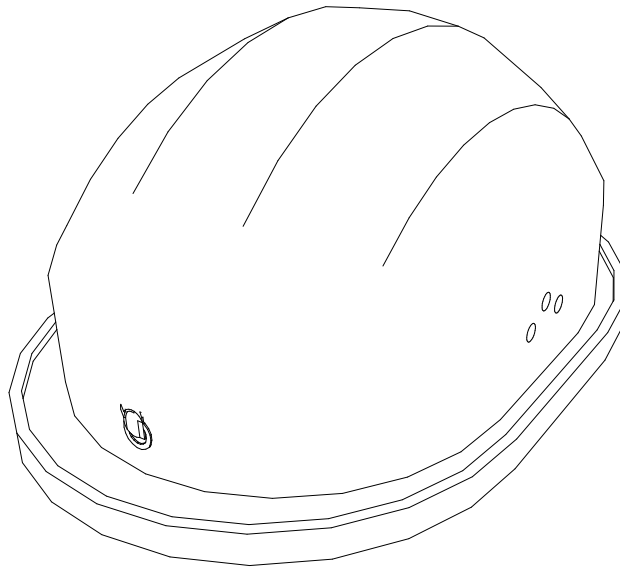
Keep order and cleanliness.

# INTRODUCTION

Swing Doors are integrated by both frame and leaf joint together by accessories constructing the axis around which door operation is allowed, in- or out-swing; depending on system configuration. The operation requires nearby clear space to properly function.

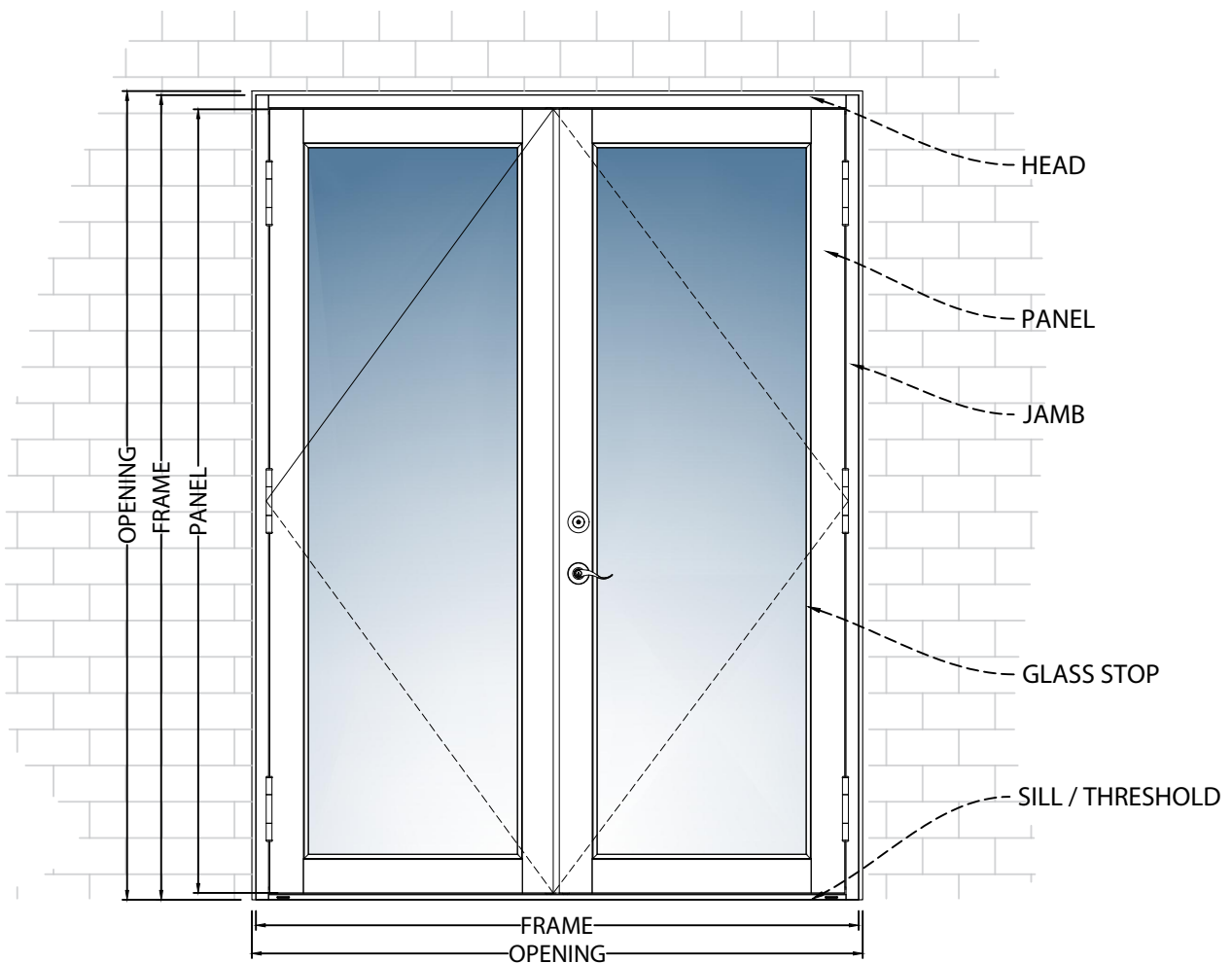
Maintenance and proper use is important for the correct operation of the system, as well as for ensuring its service life and guarantee secure handling for the user and passersby.

Please read this guide and abide by use, cleaning and maintenance as indicated in this document.



# DEFINITIONS

- **Opening:** Aperture in a wall for the purpose of installing a door.
- **Jamb:** Vertical side members of the door's frame.
- **Sill / threshold :** Horizontal lower member of the door's frame.
- **Head:** Horizontal upper member of the door's frame.
- **Glass Stop:** Small section part for the sole purpose of fixing the glass panel. Not all doors have this part.
- **Panel:** Refers to the main actuating component of the door.



# RECOMENDATIONS

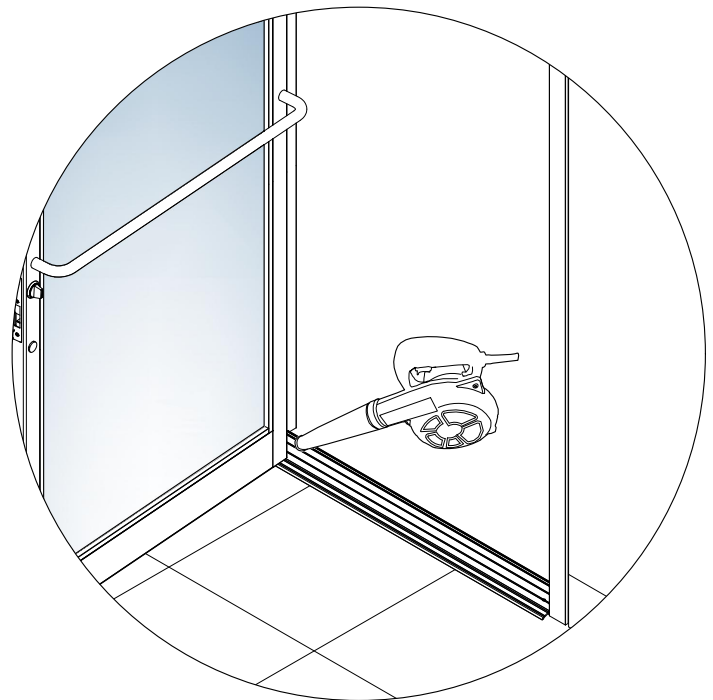
- Don't remove the panel. If necessary, contact ESR.
- Verify there are no objects obstructing the rail track while opening the door or window.
- Verify that all mechanisms work properly.
- Clean thoroughly by removing dust or other particles from operating parts using a brush or compressed air.
- Preventive maintenance is necessary every 4 months. Parts such as hinges, pivots, closer, panic devices, flush bolts, screws and weatherstripping should be cleaned. Some parts should be lubricated if required.
- In case of damage replace parts.
- Consult ESR personnel to solve any questions.



Avoid door handling during construction. If necessary, make sure to keep clean at all times. Accumulation of construction materials might permanently damage some parts and accelerate aging of metals.



Keep receipt for warranty purposes.

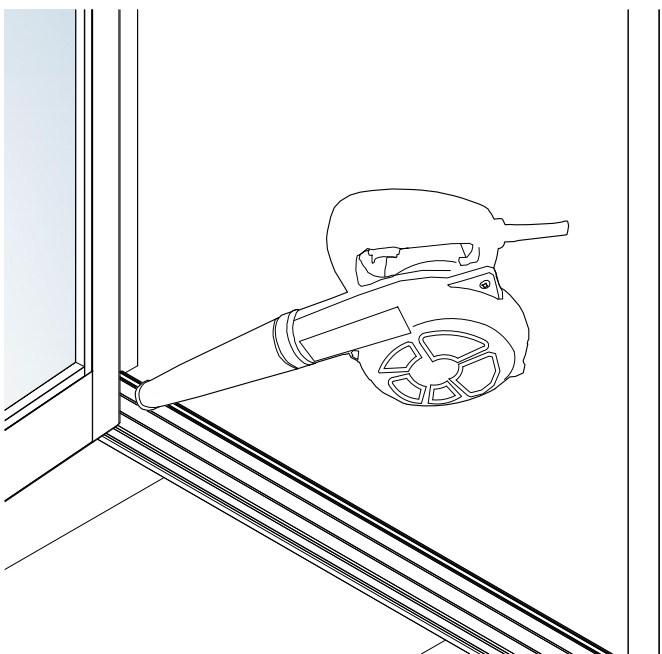


# ALUMINUM MAINTENANCE

- Pressurized water must be used with moderate pressure and adequate distance to clean the door. Excessive pressure or proximity can compromise the integrity of the seals and product components. For a thorough cleaning use soft sponges or soft bristle brushes.
- The cleaning process should be done with uniform pressure and vertical or horizontal movements.
- Avoid the use of strong alkaline or acid cleaners. Do not use cleaning solutions containing trisodium phosphate, phosphoric acid, hydrochloric acid, hydrofluoric acid, perchloric acid, fluorides or similar components.
- Test cleaning solutions in a small spot to prevent staining.
- Maintain an appropriate ambient temperature (between 60 and 75 degrees Fahrenheit) while cleaning; cleaning at high temperatures might cause stains and damages.
- Avoid applying cleaning solutions at freezing point temperatures since condensation might take place.



Avoid direct contact with cement, concrete or other abrasive compound. Aluminum might and will suffer permanent damage if exposed.

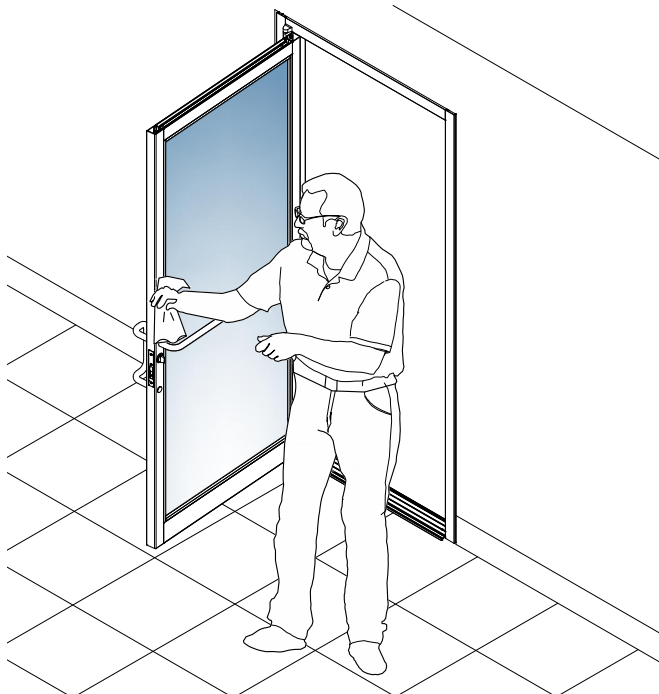


# PVC MAINTENANCE

- Regularly clean off dust, dirt, and contaminants using a soft cloth or sponge. It's advisable to steer clear of strong cleaning agents that might damage the surface coating. Avoid using sharp tools or abrasive materials when cleaning.
- Do not use cleaning products containing organic solvents, petroleum, and its derivatives, such as methylethylketone, acetone, benzene or other aromatics like xylenes/toluene, and ethers.
- Test cleaning solutions in a small spot to prevent staining.
- Maintain an appropriate ambient temperature (between 60 and 75 degrees Fahrenheit) while cleaning; cleaning at high temperatures might cause stains and damages.
- Avoid applying cleaning solutions at freezing point temperatures since condensation might take place.



Avoid direct contact with cement, concrete or abrasive compounds. PVC may suffer permanent damage if exposed to abrasive products.

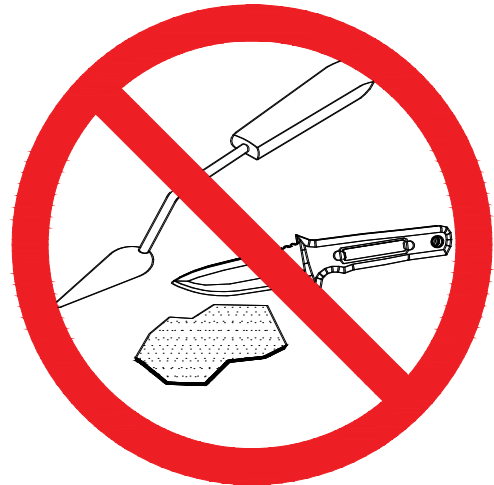


# GLASS MAINTENANCE

- Pressurized water must be used with moderate pressure and adequate distance to clean the door. Excessive pressure or proximity can compromise the integrity of the seals and product components. For a thorough cleaning use soft sponges or soft bristle brushes.
- Glass must be cleaned periodically to prevent its contamination
- During construction handle glass carefully to prevent contamination and stains.
- Clean glass with water while and after the construction stage to prevent scratches, stains and impurities.
- Use high pressured water to clean the door or window. For a thorough cleaning use sponges or soft bristle brushes.
- It is recommended to use soft soap and water for the cleaning routine. Clean the glass surface with a rag or sponge and the cleaning solution. then wipe the glass with a rag, sponge or window cleaner.
- Reflective glass panels must be clean carefully to prevent any damage, Reflective glass is more vulnerable to damage.
- Reflective glass panels should be cleaned every four months .



Avoid use of metal blades, sandpaper, abrasive sponges or spatula; glass surface could be damaged by those implements.



# ACCESSORIES MAINTENANCE

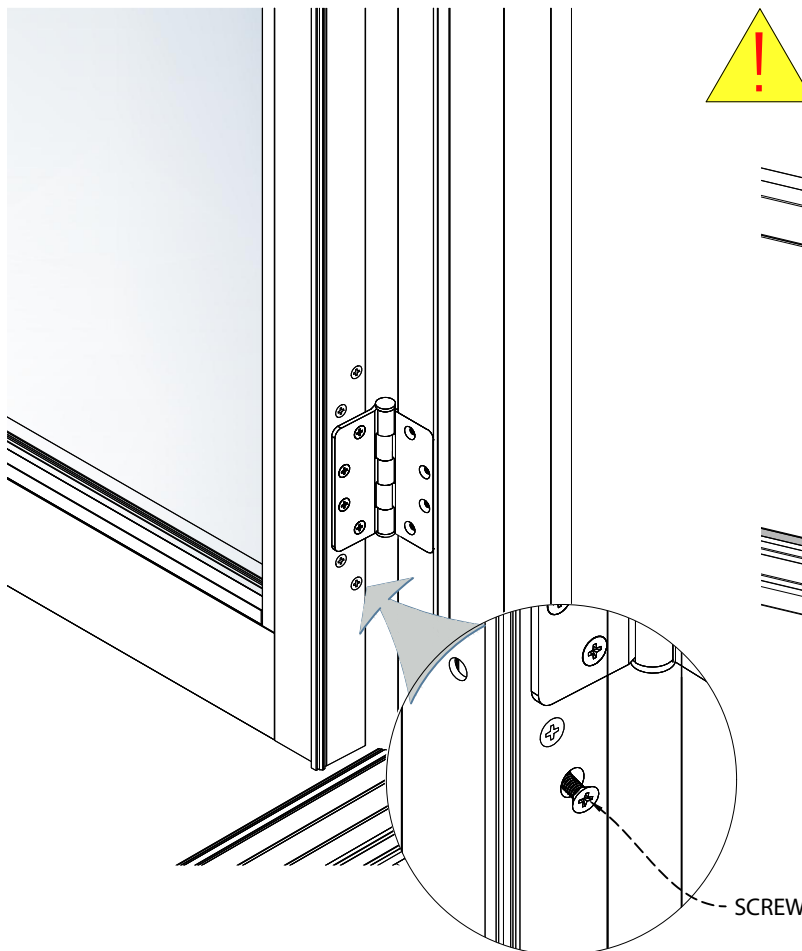
- In order to extend service life, it is recommended to clean weather-stripping and screws bi-monthly.
- Soft soap and water should be used for the cleaning process.
- Weather-stripping should be replaced when crystallized or broken.
- Check for missing screws. If all screws are in place, check the silicone seal around them.



VERIFY THAT ALL ACCESSORIES, PILES, SEALS, AND SCREWS ARE IN GOOD CONDITION. INSPECT THE SYSTEM TO GUARANTEE ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.



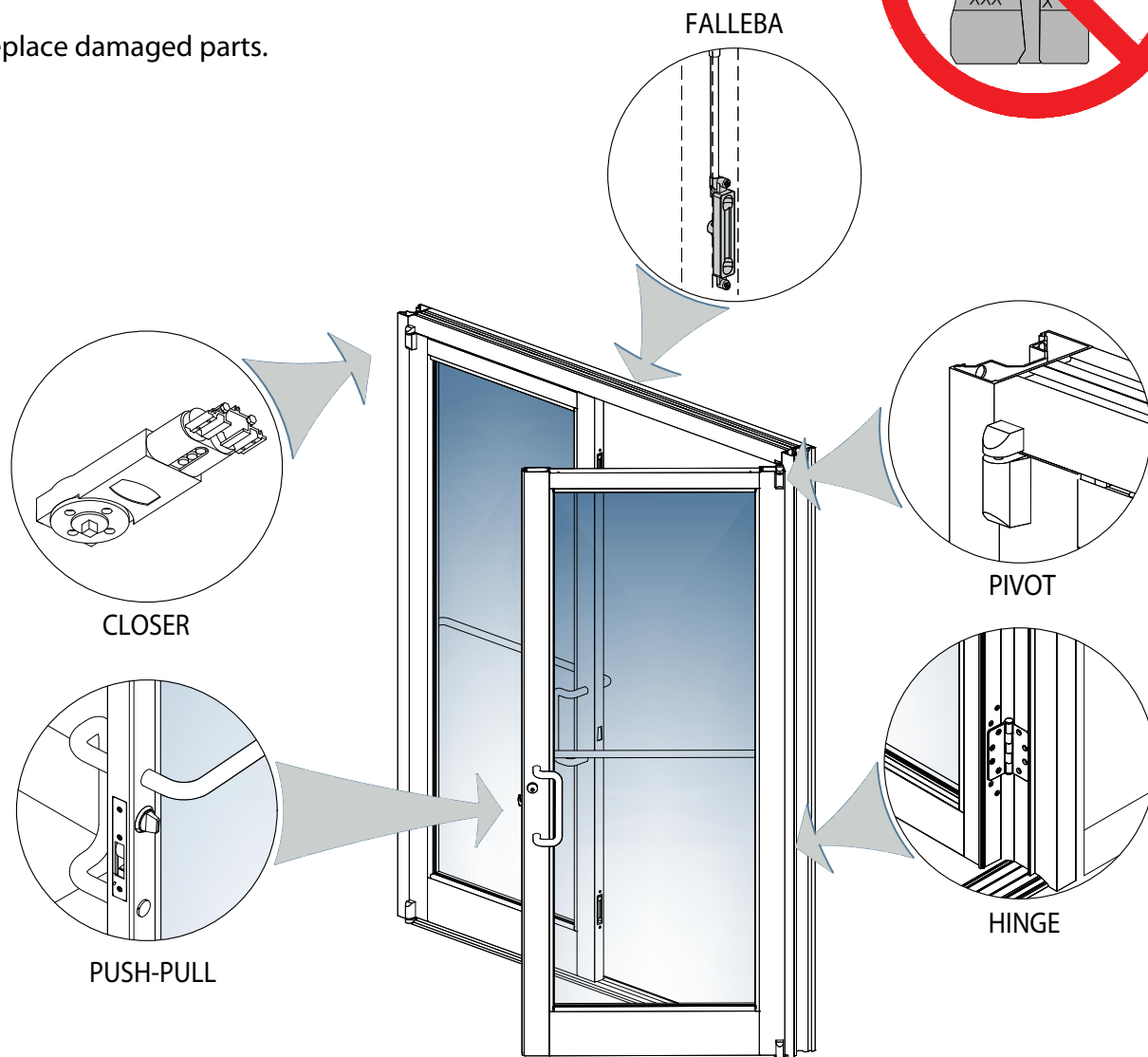
Avoid cleaning weather-stripping with petroleum derivatives as this might accelerate its decay.












- Pivots and hinges should be checked every 2 months or more frequently if local conditions require.
- Avoid applying water directly to these.
- Handles, locks and flushbolts should be checked every 4 months.
- Verify correct operation of handles, locks and flush bolts. Clean gently with a cloth to remove dust or any other residues.
- Replace damaged parts.



Avoid the use of chemical solvents derived from vinegar, citrics or chlorine, since those might cause corrosion or deteriorate.



<b>REVIEW No.</b>	<b>DATE</b>	<b>DESCRIPTION</b>	<b>PAGE</b>
	<b>08-09-2015</b>	<b>Maintenance every six months changed to every four months. Glass maintenance updated.</b>	<b>2</b>
	<b>12-01-2021</b>	<b>General update, document format updated.</b>	<b>ALL</b>
	<b>31-05-2023</b>	<b>Accessories maintenance note added.</b>	<b>5</b>
	<b>12-04-2024</b>	<b>General update, document format updated.</b>	<b>ALL</b>
	<b>06-08-2024</b>	<b>PVC maintenance and cleaning page added.</b>	<b>4</b>
	<b>28-10-2025</b>	<b>Updated the description of the pressurized water cleaning system.</b>	<b>3,5</b>
			
			
			

12400 SW 134th Court Ste 14, Miami, FL 33186  
info@esriimpact.com,  
Phone: (+1) 305 489 1608

By Raul Lozada.