

OPERATION AND MAINTENANCE

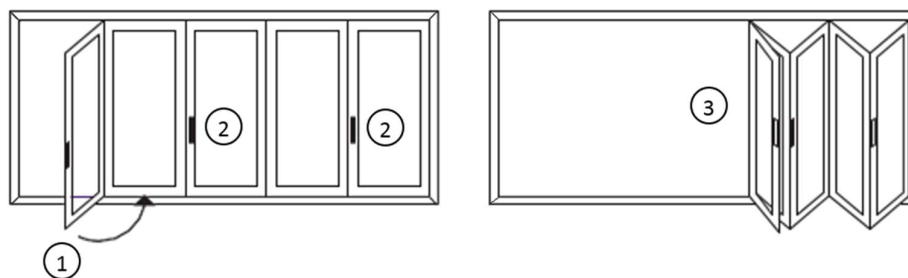
Opening and closing operation for bi-folding door with swinging door

To open doors

- Open the swinging door and connect it to the panel catch located on the next door.
- Release the shoot bolt locks on all other panels.
- Slide the folding panels starting from the pair nearest to the swinging door.

To close doors

- Slide each pair of folding panels back to align with frame
- Secure the panels by locking with shoot bolt lock.
- Close the swinging door last, ensure that all other panels have been locked in frame first.



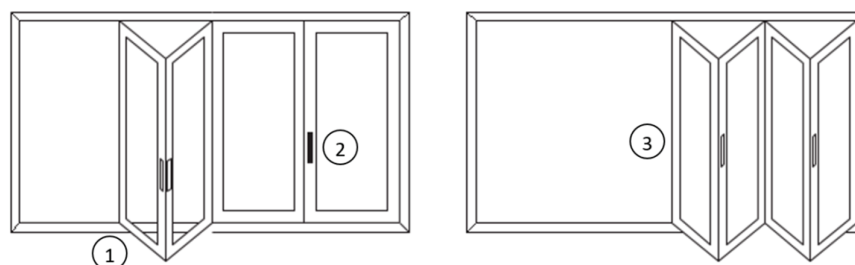
Opening and closing operation for bi-folding door without swinging door

To open doors

- Release the shoot bolt locks on all other panels.
- Slide each pair of folding panels away to one side.

To close doors

- Slide each pair of folding panels back to align with frame
- Secure the panels by locking with shoot bolt lock.





INTRODUCTION

Due to the dirt and dust usually found during the installation phase it is necessary to carry out appropriate maintenance and cleaning. This must also be maintained to keep the functional and aesthetic qualities of the aluminum carpentry.

CLEANING AND MAINTENANCE

The following elements must **NOT** be used:

- Sharp tools such as knives, trowels, etc.
- Steel wool or abrasive sponges.
- Aggressive bath cleaners or solutions for lacquer, can cause permanent damage.

The following elements **CAN** be used:

- Warm water (with 2% of mild soap).
- Soft sponge.
- Cleaning cloth.
- Absorbent paper.
- Steam cleaners.
- Vacuum cleaner (to vacuum the dust between the gasket and the outer wall of the frame).



1. CLEANING OF INTERIOR AREAS

Use some a vacuum, to clean the gaskets and chamber between the sash and frame to remove the dust and foreign bodies which have accumulated during the construction phase. A brush or a paintbrush can also be used.

2. CLEANING OF FRAMES AND GLASS

Drench a sponge (soft) in warm water with soap, rub the frames smoothly (inner and outer side). Afterwards, apply a cleaning cloth, to remove the remainders of soap and water. Finally, apply a dry cloth (or kitchen paper), to complete the cleaning and drying.

Steam cleaning can be applied instead of warm water with soap..

This operation should be repeated monthly with each window.

Concluding observations:

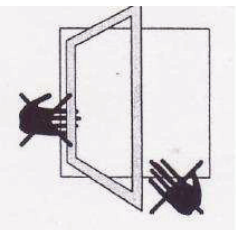
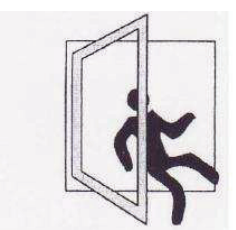
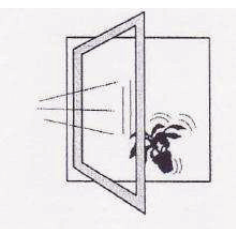
- In areas close to highways, coast line or industrial areas, the maintenance of the windows should be increased.
- Before beginning any work close to the window, it should be protected from dirt which can be originated from the site. Use plastics and weatherstripping as required.

3. MAINTENANCE

- Ensure top and bottom tracks are kept clean and free of any debris or foreign objects that can stop the function of the folding door.
- Ensure all door locking mechanisms are kept clean and any moving parts are regularly lubricated with light machine oil at least once a year.

DANGERS THAT SHOULD BE TAKEN INTO CONSIDERATION WHEN HANDLING THE WINDOWS

Safety recommendations when handling and using the windows.

	Danger of being caught Pay attention to the possibility of being caught between the frame and the sash, when handling the windows.
	Danger of falling An open window poses a risk of people falling out of them. Pay special attention to children.
	Danger of falling objects Be aware of objects falling out of an open window, especially during cleaning or maintenance.

GLAZING

In order to achieve an ideal acoustic and thermal insulation, the **BI-FOLD system** must always be double-glazed, must have the corresponding CE Seal which declares its performance.

Additionally the glazing must always be done following the guidelines in the glazing section.