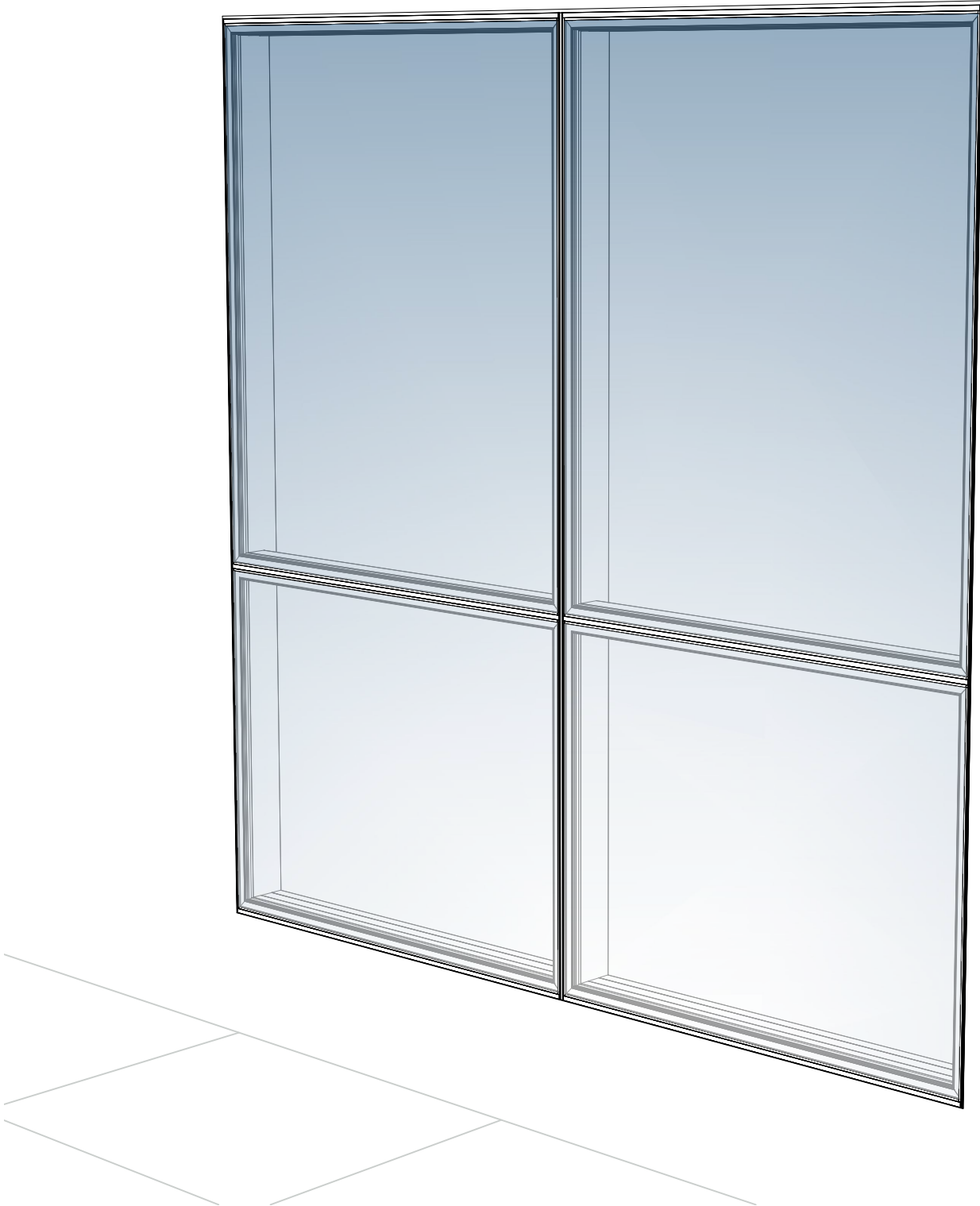


FIXED SYSTEMS



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.

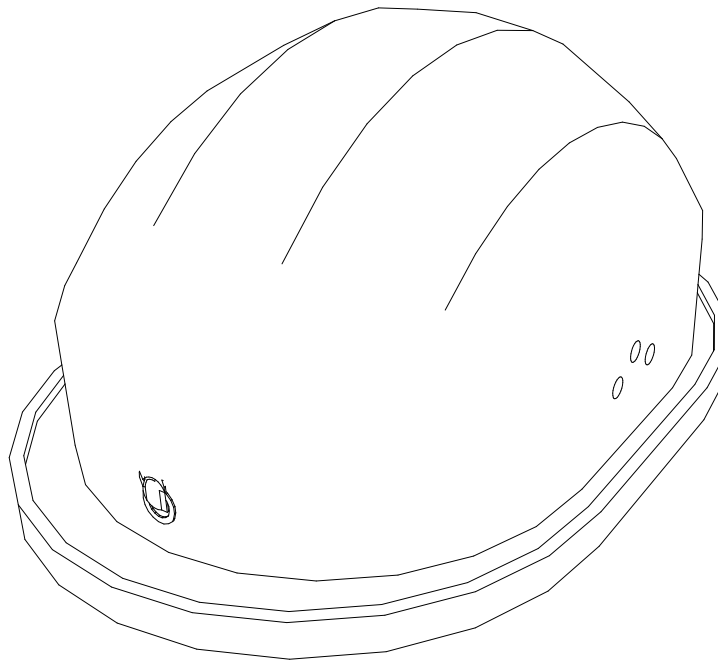
Keep order and cleanliness.

INTRODUCTION

A fixed window consists of a glass framed in aluminum. It has no moving parts and its main purpose is to allow light inside the building while keeping water and wind outside.

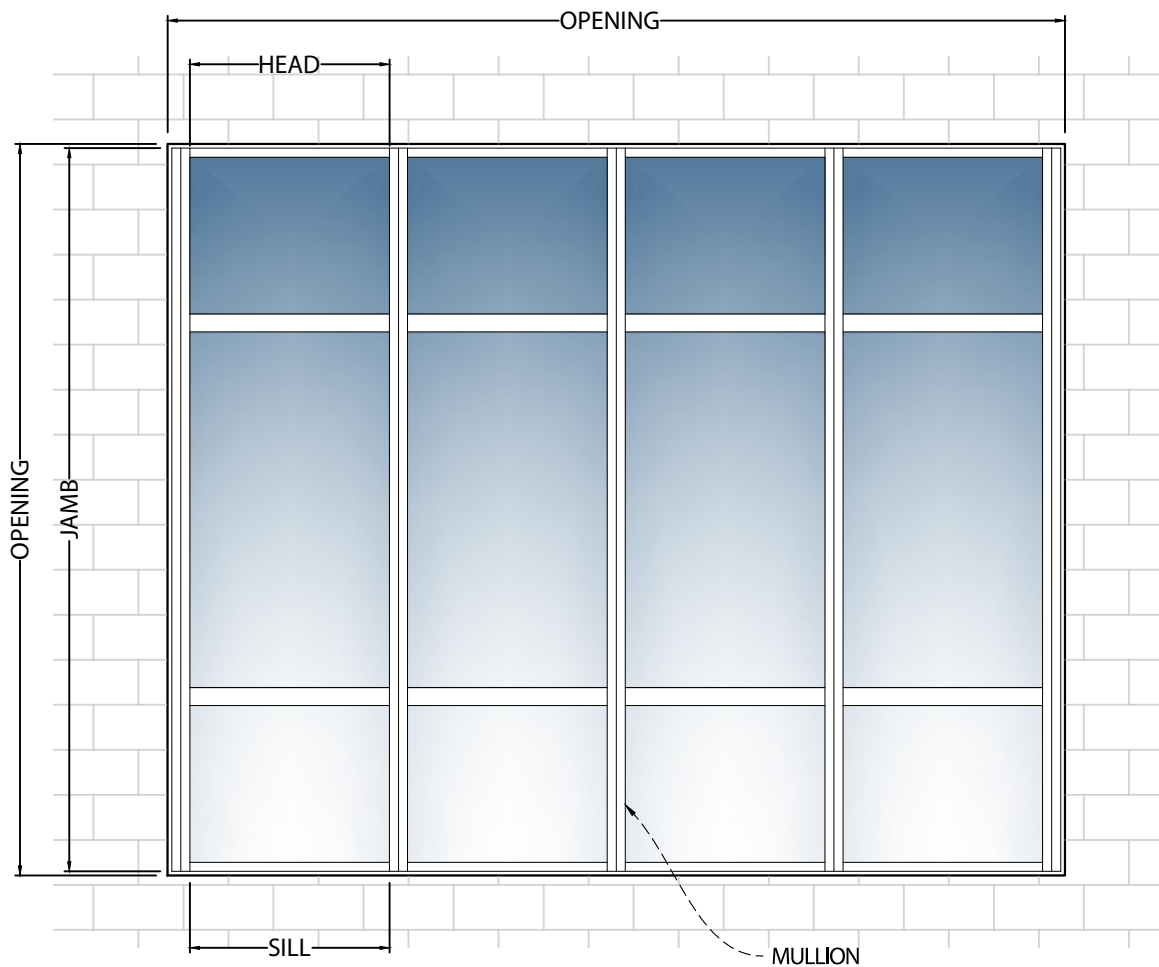
It is maintenance and good use us important to ensure its service life.

Read this guide and use, clean and maintain the product as instructed.



DEFINITIONS

- **Opening:** Aperture in a wall for the purpose of installing a window.
- **Jamb:** Vertical members of the window's frame.
- **Mullion:** vertical member dividing 2 panes of glass.
- **Sill:** Horizontal lower member of the window's frame.
- **Head:** Horizontal upper member of the window's frame.



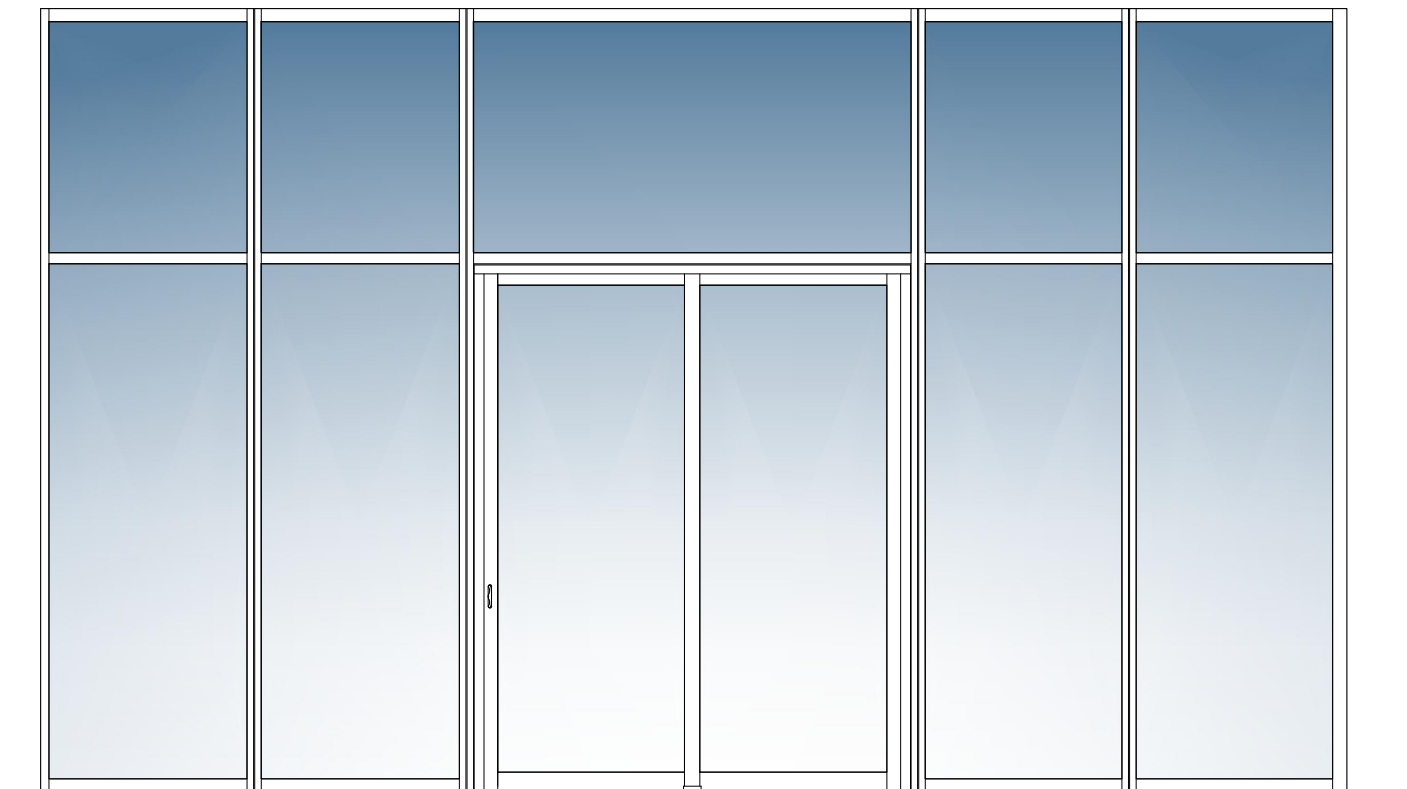
RECOMENDATIONS



If the window is at jobsite during construction, prevent direct contact with abrasive materials.

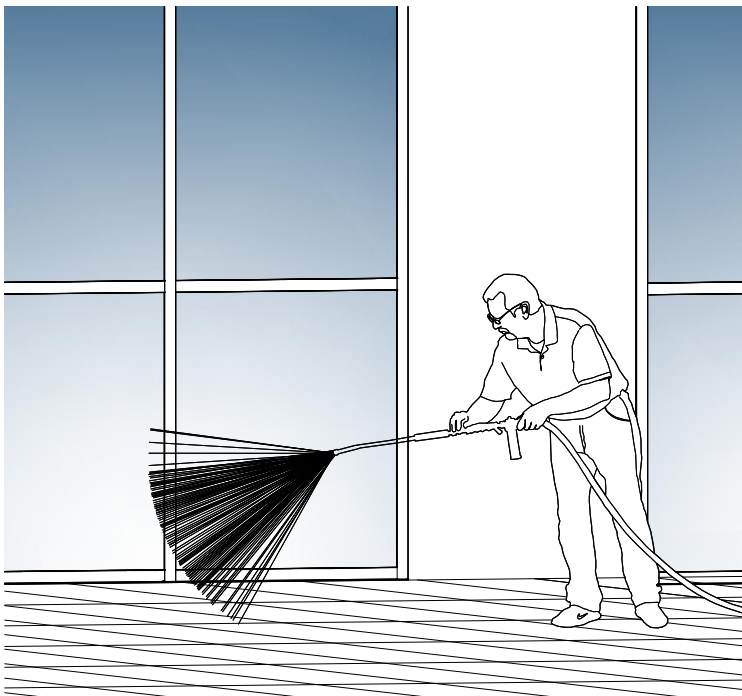


If, instead of glass, the fixed window includes other types of system such as swing doors, casement or awning windows, etc. It is recommended to read each maintenance guides.



ALUMINUM MAINTENANCE

- Pressurized water must be used with moderate pressure and adequate distance to clean the system. 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.
- In order to solve any concerns, contact ESR.
- 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.



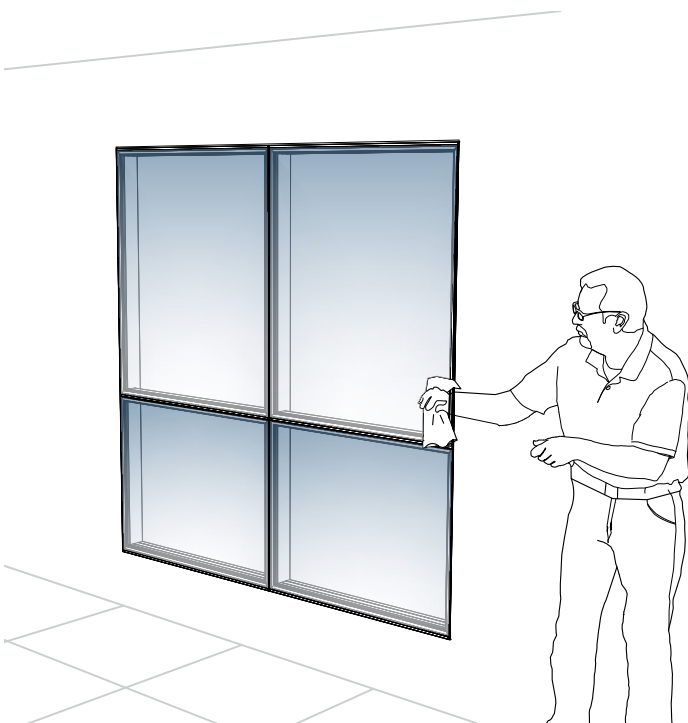
Avoid direct contact with cement, concrete or other abrasive compound. Aluminum might and will suffer permanent damage if exposed.

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.

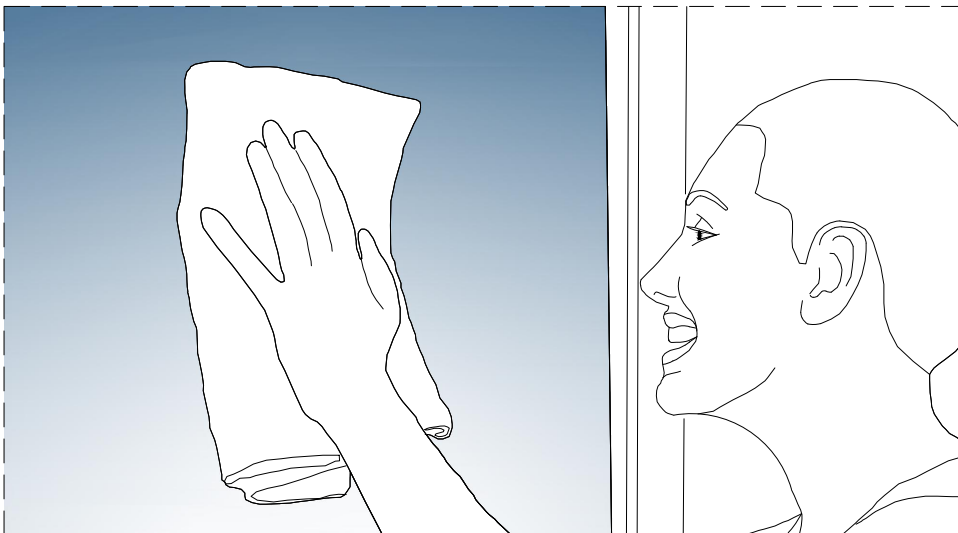
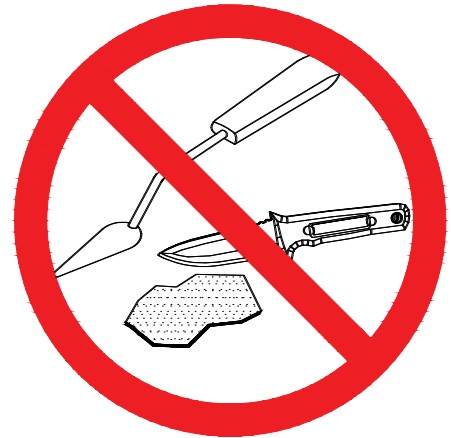


GLASS MAINTENANCE

- Pressurized water must be used with moderate pressure and adequate distance to clean the system. 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 glass must be cleaned periodically to prevent its contamination
- During the construction handle the 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 railing. 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

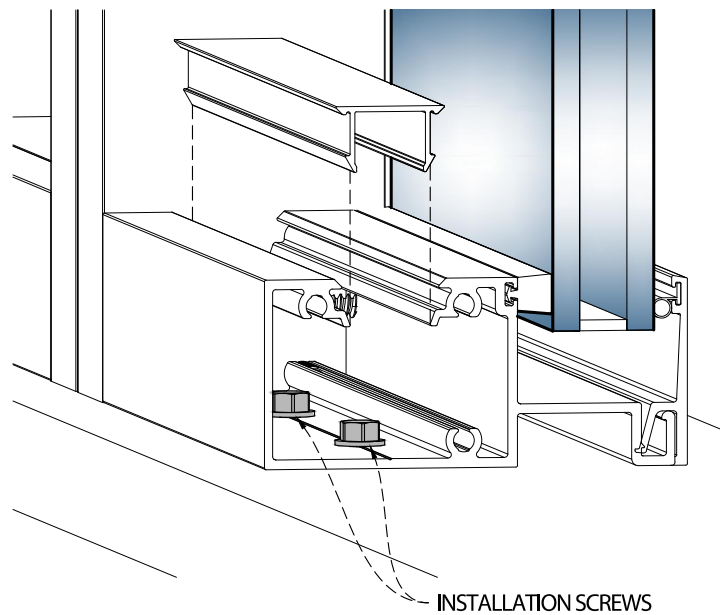
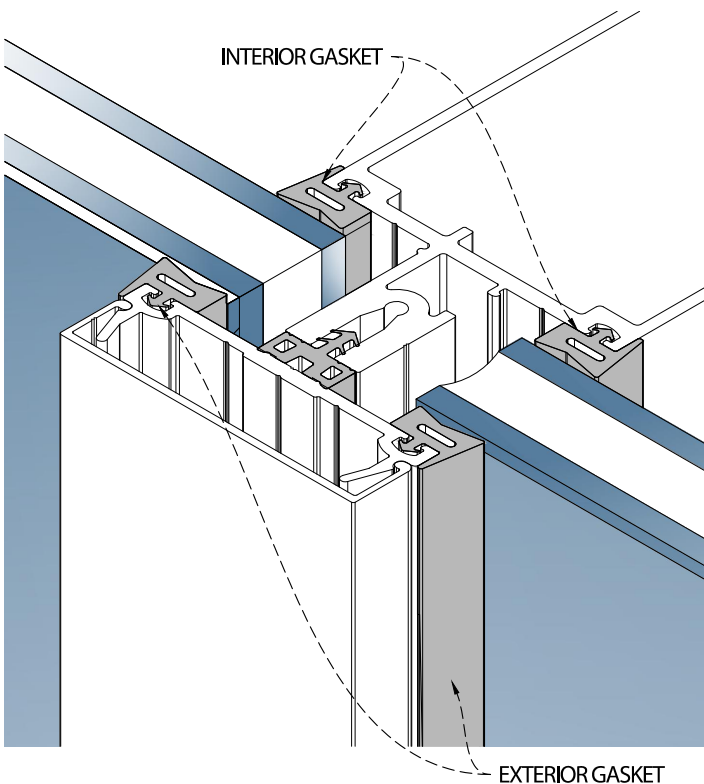
- In order to extend service life, it is recommended to clean weather-stripping gaskets and screws bi-monthly.
- Soft soap and water should be used to clean accessories.
- Weather-stripping should be replaced if crystallized or broken.
- Check for missing screws. If all screws are in place, check if the silicone seal around them is in place.
- Exposed screws should be checked for corrosion and proper seal every four months.












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 gaskets with petroleum derivatives as this might accelerate its decay.



REVIEW No.	DATE	DESCRIPTION	PAGE
	08-09-2015	Maintenance every six moths changed to every four moths.	various
	12-01-2021	General update, document format updated, glass maintenance updated.	All
	31-05-2023	Accessories maintenance note added.	5
	12-04-2024	Format update.	All
	06-08-2024	PVC maintenance and cleaning page added.	4
	27-10-2025	Updated the description of the pressurized water cleaning system.	2,4
			
			
			

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