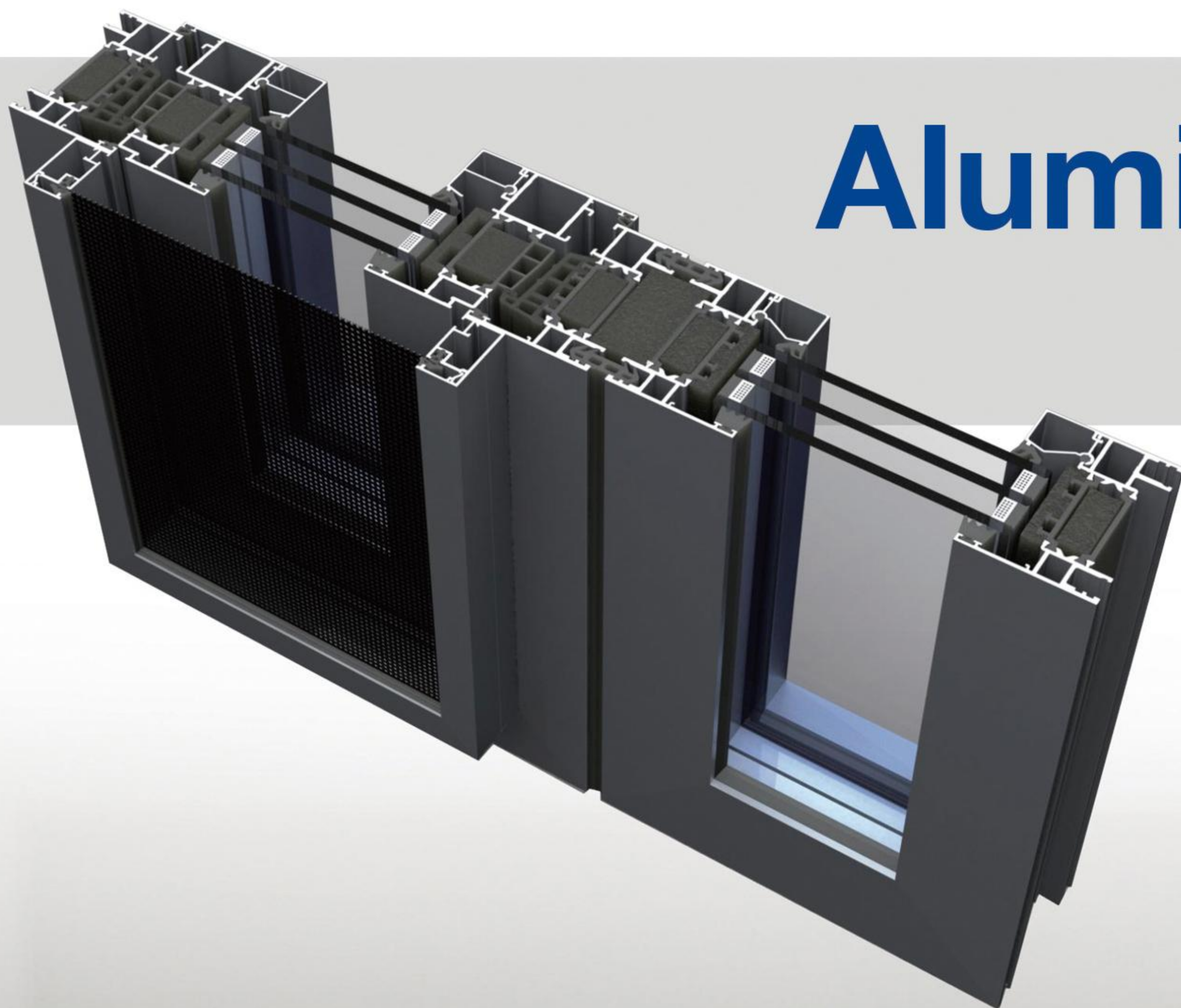


Aluminum Tilt & Turn Windows



Skyreach 8100 Aluminum Tilt & Turn versatile window systems equipped with a unique mechanism that allows them to open in two ways: tilting inwards for secure and controlled ventilation or swinging open like a regular casement window for maximum air circulation and ease of cleaning. The perfect coordination of high-quality hardware and accessories ensures that windows can efficiently provide excellent insulation, ventilation, lighting, and safety.

The unique assembly method and modular design divide window frames and sashes into multiple modules, allowing for easy combination and assembly to adapt to various window types and building requirements. Combining special-shaped insulation strips with thermal insulation cotton can fully utilize the advantages of both, further enhancing the insulation performance of the windows.

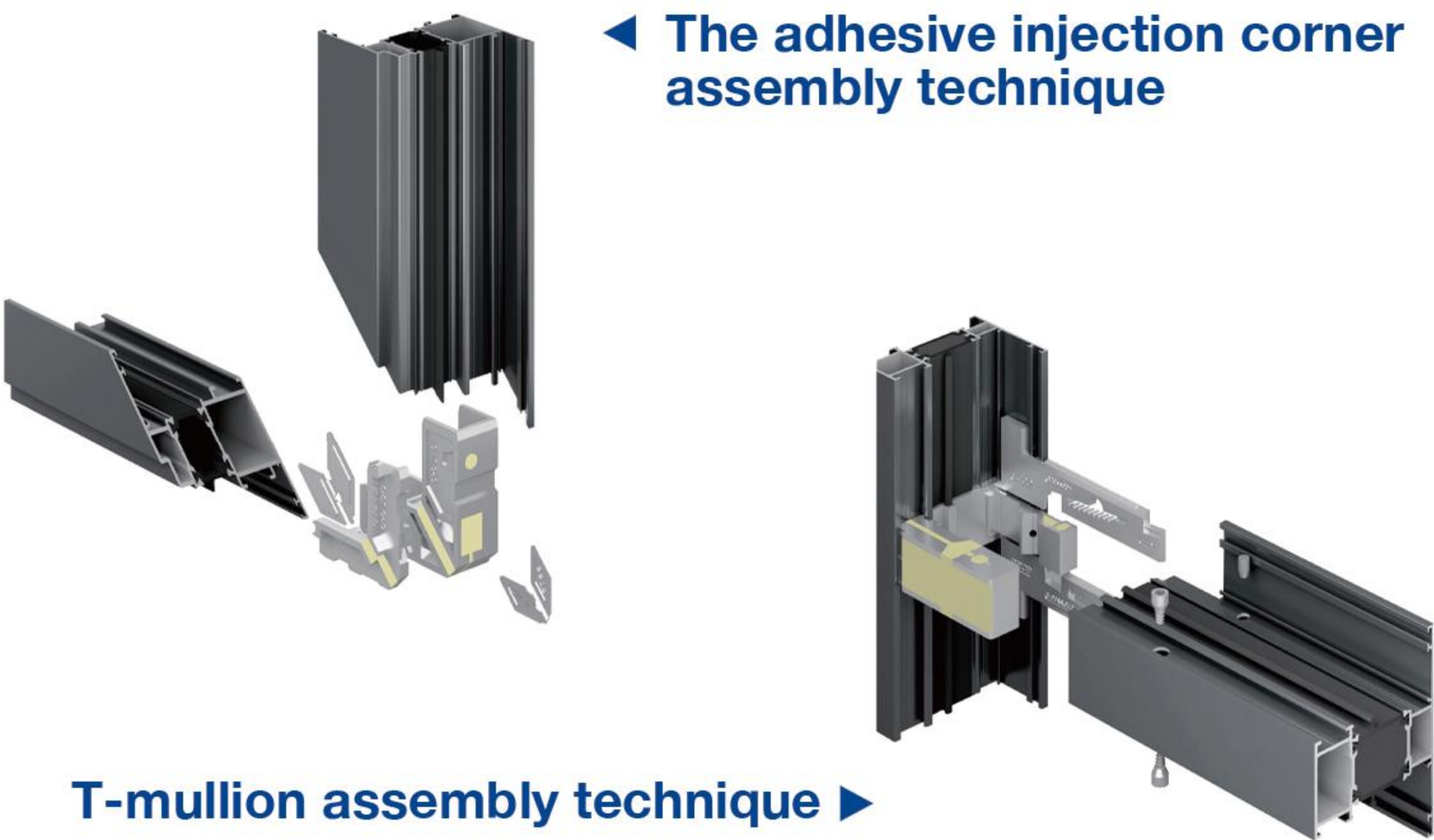
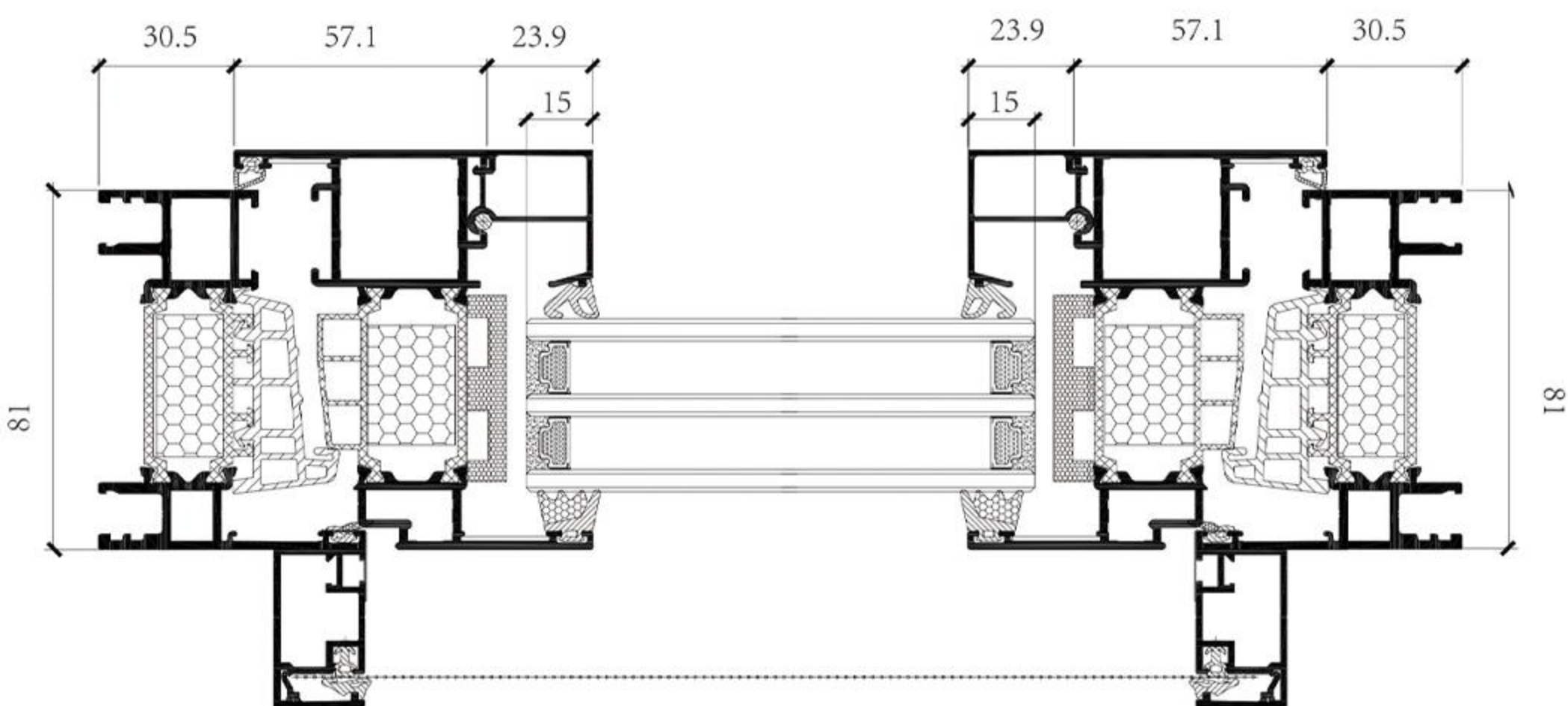


Benefits

- **Excellent thermal performance and air tightness:** Due to the specific multi-point locking system design, it creates excellent air tightness and ideal thermal performance.
- **Noise reduction:** They have superior sealing capabilities and the presence of an insulating barrier within the frame, which disrupts sound waves.
- **Different ventilation options:** The tilt function allows for top ventilation, easily enabling hot air to quickly escape through the top portion of the window. The turn function creates ample air flow and movement for maximum ventilation. The dual option enables the user to control their environment with precision.
- The patented stepped drainage structure design allows rainwater to smoothly drain outside, improving the overall window watertightness
- Three-seal design Enhances the overall window airtightness, watertightness, and insulation performance while preventing dust from entering
- The application of thermal insulation foam in the middle of the heat insulation strip greatly enhances the insulation performance
- The soft-hard co-extruded composite rubber strips provides excellent absorption and compression deformation capabilities, lower heat transfer coefficient.
- **Increased security:** It is equipped with a more robust internal hardware with multiple locking points. The in-swing hinges secure the window from being forced or pulled open from the exterior.
- **Easy to clean and maintain:** The exterior of the window can be cleaned from the inside of your house with the turn function. No additional maintenance is required.
- **Screen options:** fiberglass and stainless steel mesh.

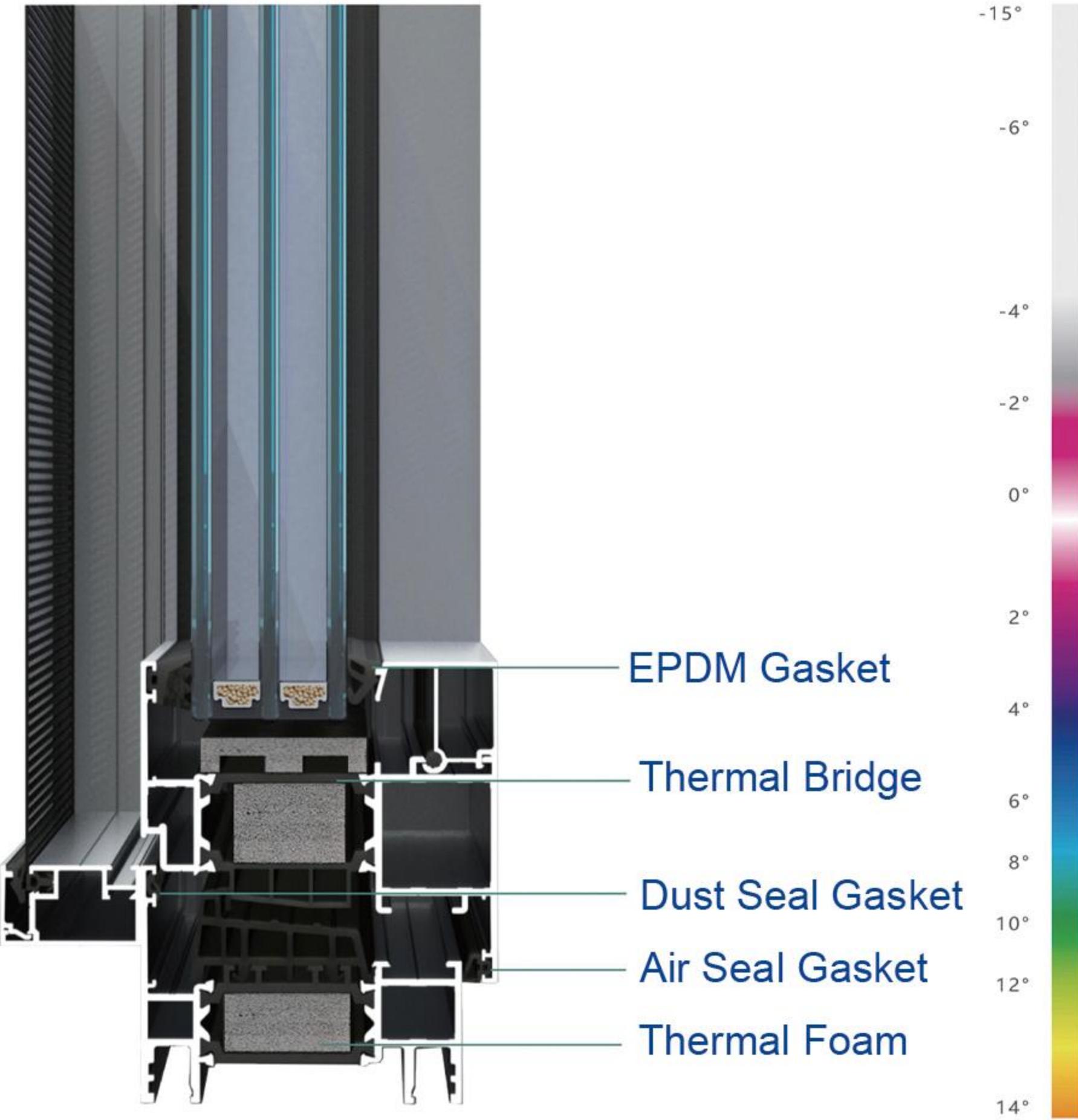
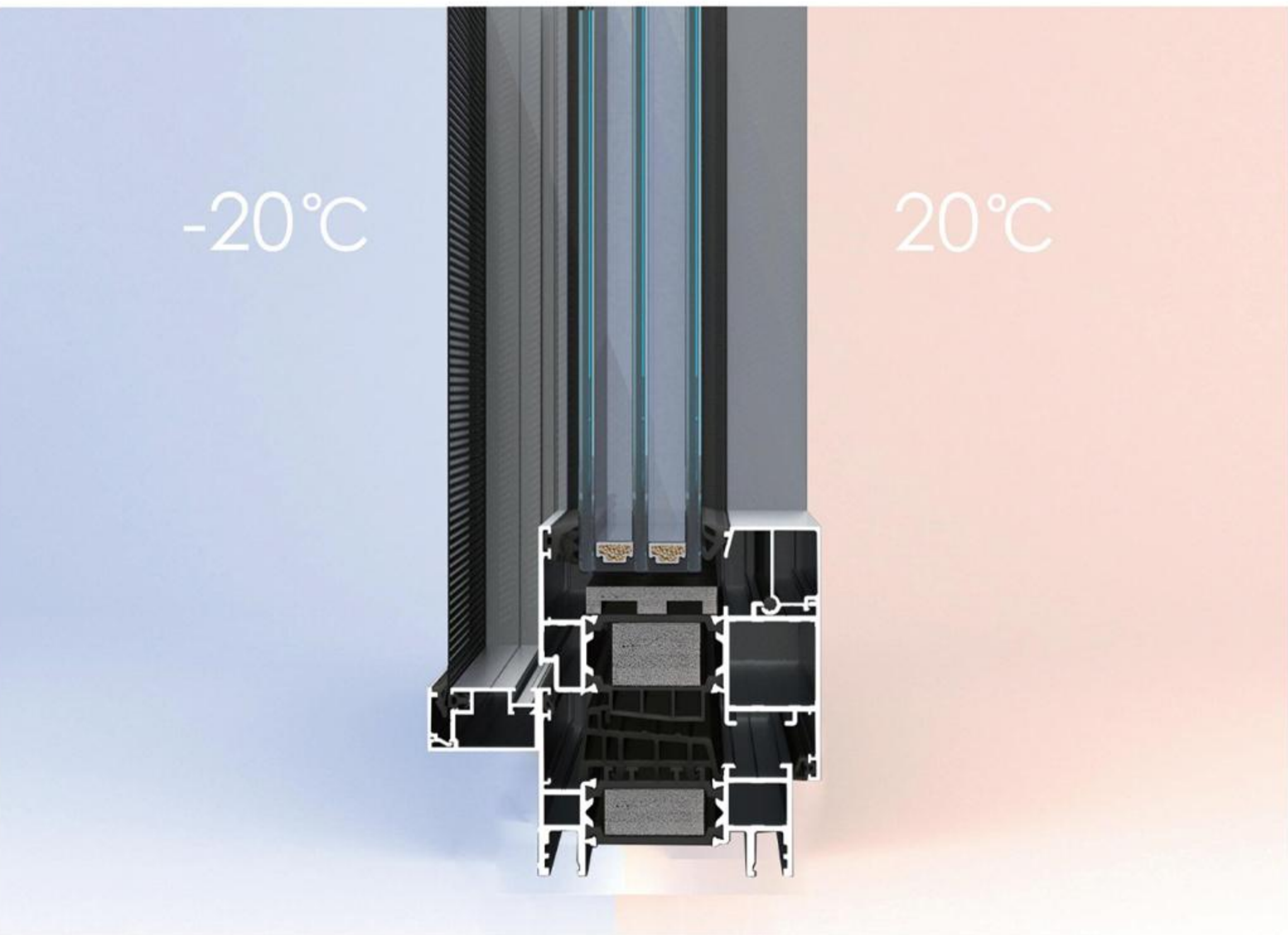
Features

Aluminum	
Frame depth options	81mm(3 1/4”), 141mm(5 1/2”)
Aluminum finish	Anodized Powder Coating / Duracron PVDF
Thermal bridge	
PA66+25%GF	44mm
Thermal insulation foam	PEX
Glass	
Double IG	5mmLoE+16A+5mmClr, Argon 90
Triple IG	5LoE+12A+5Clr+12A+5Clr, Argon 90
Spacer	Black warm edge
Size Limit	
Frame Width	580-1600mm (22 7/8”- 63”)
Frame Height	580-2400mm (22 7/8”- 94 1/2”)
Max. Vent Size	1600*2100/1300*2400 mm
Max. Vent Weight	130Kg
Window Performance	
Air	A3 (CW)
Water	PG50 (CW)
Structural	PG50 (CW)
U-Value	1.8W/m2·K (Double IG) 1.4W/m2·K (Triple IG)



T-mullion assembly technique

- Utilizes high-pressure die-cast aluminum alloy T-connection fittings for nail connection and injection molding process.
- Enhances the strength and sealing performance of the middle support connection.
- L-shaped locking corner braces further improve the strength and torsional resistance of the connection parts, enhancing the door and window's wind pressure resistance and water tightness.



CERTIFICATIONS AND MEMBERSHIPS

