

Awning Windows

Skyreach 8100 Aluminum awning windows are both stylish and durable, offering the benefits of added aesthetics and ventilation. Hinged from the top and opening at the bottom, awning windows allow for ventilation in all weather conditions through a casement style that promotes improved airflow.

Skyreach high-performance awning windows incorporate extra strong frames and sashes suitable for carrying large glass spans to maximize your view, while delivering outstanding strength and weather resistance, making them an ideal choice in high wind load areas and apartment applications.

Aluminum awning windows are ideal across all rooms in your home, such as your bathroom, laundry or kitchen. Featuring our unique inline reveal as standard, our awning windows provide excellent energy efficiency when paired with an energy efficient glazing solution.

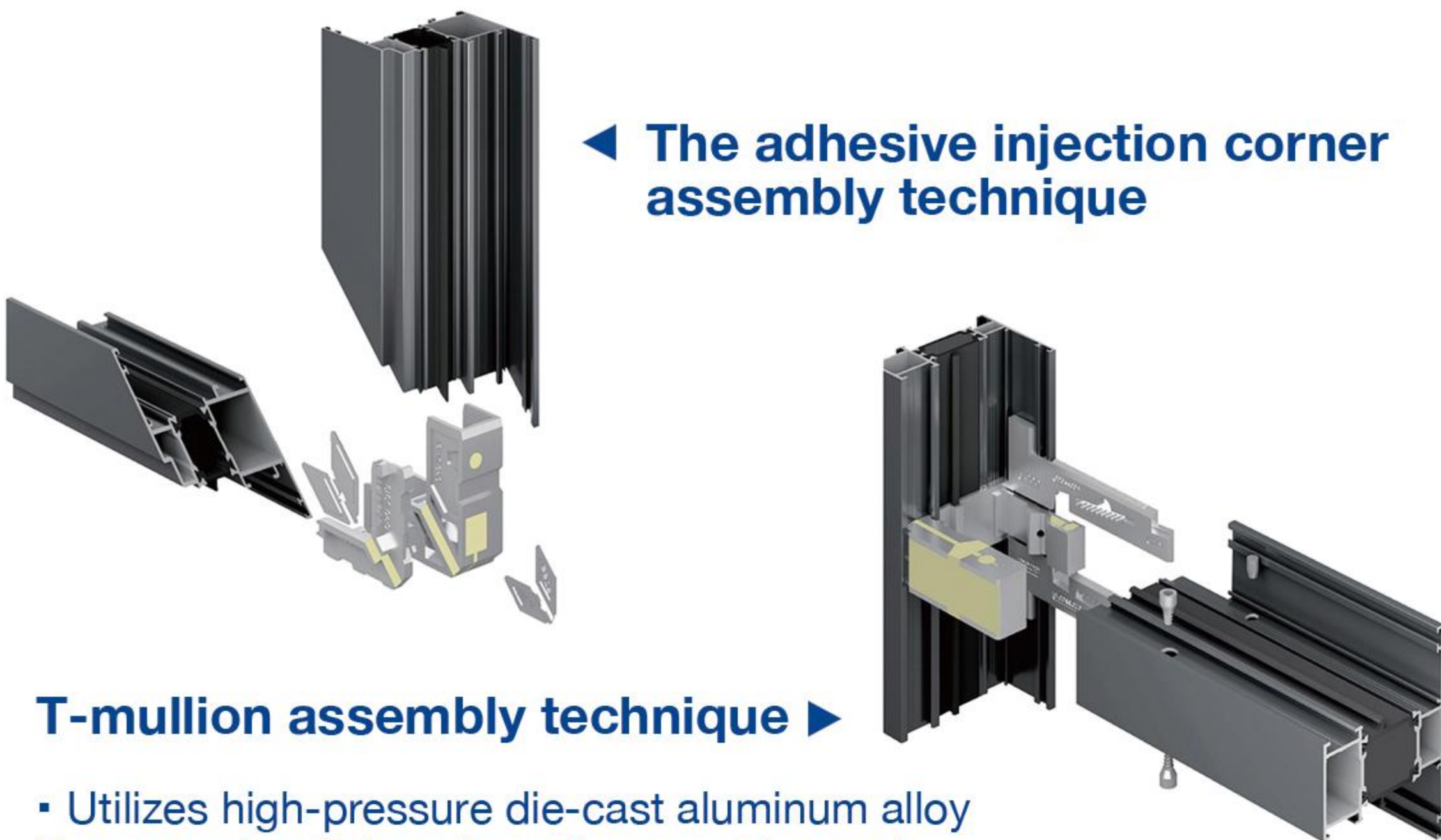


Benefits

- **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.
- The patented stepped drainage structure design allows rainwater to smoothly drain outside, improving the overall window watertightness.
- Utilizes a combination of special-shaped heat insulation strips + thermal insulation foam cotton. Design employs 65mm + 75mm combination of special-shaped heat insulation strips + thermal insulation foam cotton filling in the insulation cavity, optimizing the insulation performance of the entire window structurally.
- **Convenient operation with a hand-crank outward opening design.** Operates via hand-crank for easy opening and closing, occupying no indoor space upon opening, aligning with the usage habits of North American users.
- **Multi-cavity sealing rubber strips.** Frame and sash feature multi-channel sealing design, employing EPDM foam co-extruded rubber strips, providing excellent sealing performance and improved sound insulation.
- **Innovative design of arched glass supporting plate.** Increased load-bearing capacity avoids water accumulation in the gap between profiles and glass, achieving planned drainage.
- Three-seal design Enhances the overall window airtightness, watertightness, and insulation performance while preventing dust from entering.
- **Fiberglass screen**

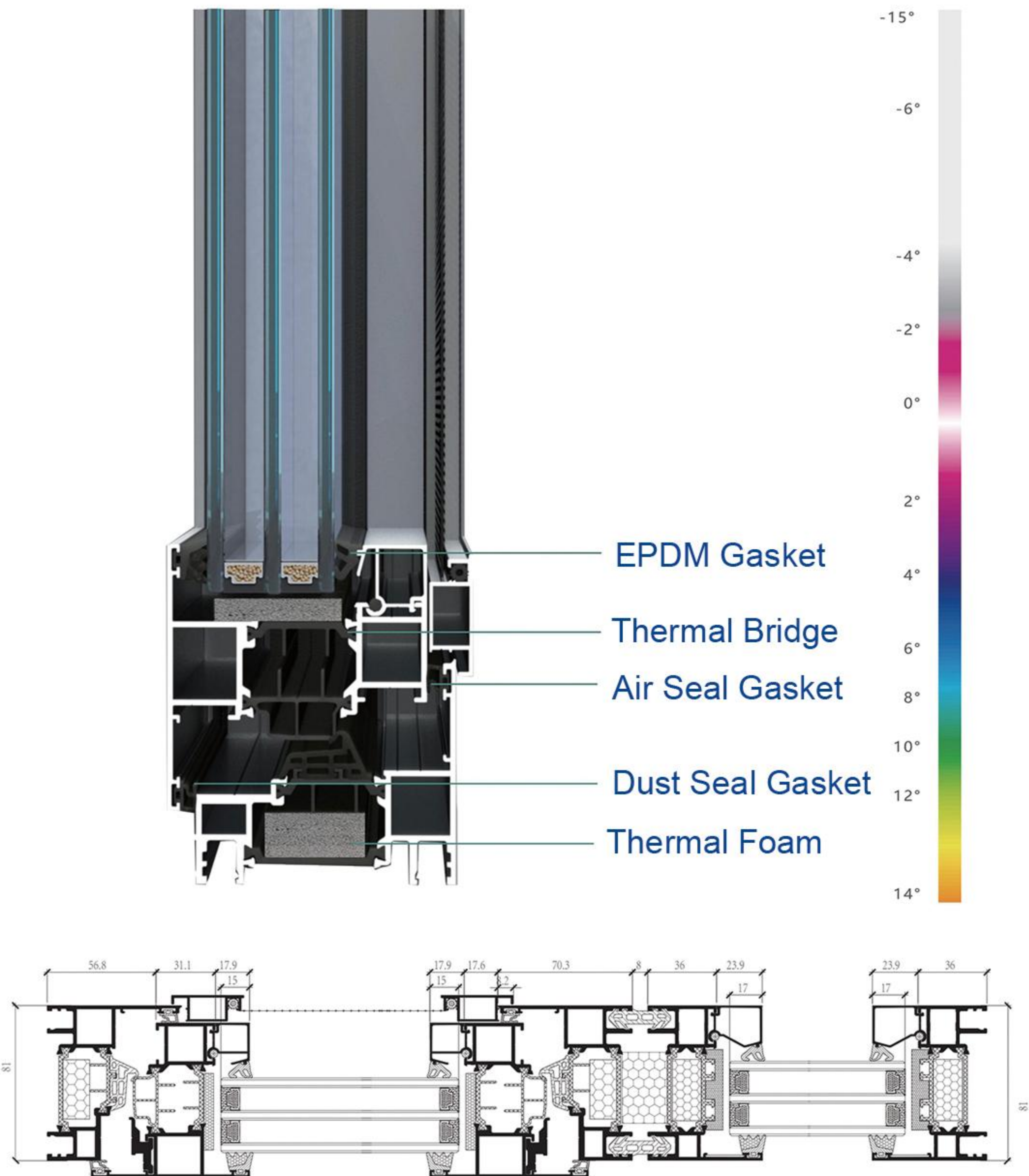
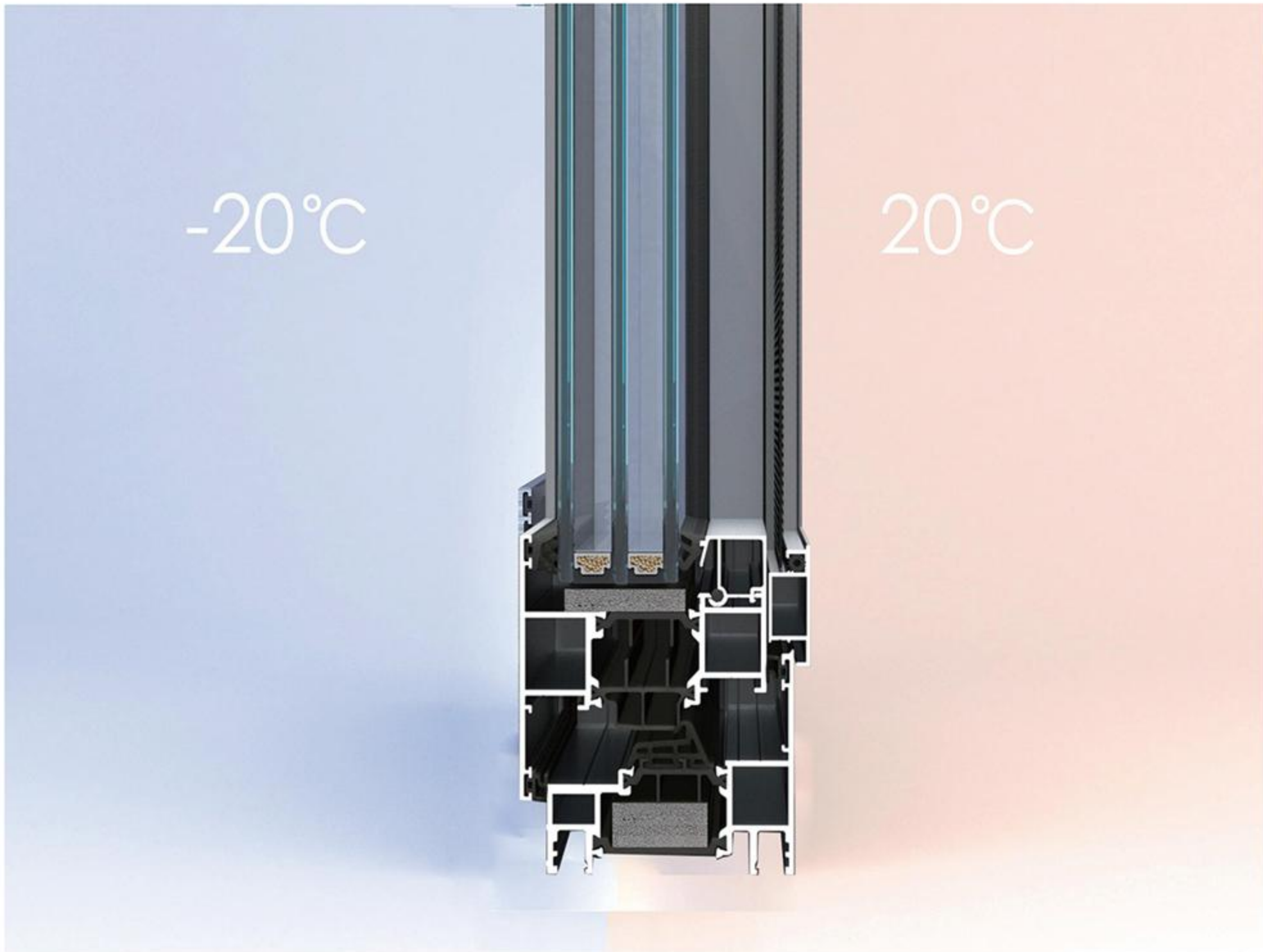
Features

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	400-1500mm (15 3/4”- 59”)
Frame Height	400-1500mm (15 3/4”- 59”)
Max. Vent Size	1500*900/800*1500 mm
Max. Vent Weight	60Kg
Window Performance	
Air	A3 (CW)
Water	PG30 (CW)
Structural	PG30 (CW)
U-Value	1.9W/m2·K (Double IG) 1.5W/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

