

**Practical Hot sale 6mm
Tempered Glass
Aluminium Casement Windows:
Unobstructed Nature & Urban
Vistas**



What is 6mm Tempered Glass Aluminium Casement Window?

[A 6mm tempered glass casement window](#) refers to a window type featuring 6mm thick tempered glass as the pane and aluminium framing, combined with a casement-style hinged opening mechanism. It is a window sash that is hinged on one side only (side or top usually). It opens and closes on those hinges like a door. It is held open with a casement stay.



Unlike traditional horizontal sliding windows, this side-hinged design offers good airflow efficiency: when opened, it captures breezes more effectively, directing fresh air into the space while maximizing ventilation.

The aluminium frame has lightweight, corrosion-resistant, and often enhanced with thermal break technology—complements the tempered glass's strength, creating a seamless blend of durability, energy efficiency, and modern aesthetics.

Finally, this design not only optimizes natural ventilation but

also forms a tight seal when closed, minimizing air leaks and elevating both acoustic insulation and thermal performance.

What are the Advantages of 6mm Tempered Glass Aluminium Casement Windows?

Good for superior safety and ventilation: 6mm tempered glass offers 3~5 times the impact resistance of ordinary glass, ensuring safety even in high-traffic areas. Its casement design allows smooth opening and closing at various angles, balancing ventilation with shatterproof durability.

Increased energy efficiency □ The tempered glass's tight seal with the aluminium frame minimizes air leakage, while its inherent rigidity (due to heat-treatment) reduces heat transfer. This, combined with fewer moving parts, boosts energy savings.

Affordability: Aluminium casement windows are cheaper to manufacture and install than other styles of windows.

Low maintenance: the hinges are the only moving parts so there is less maintenance than other styles of windows.

Flexibility of design: casement windows look equally well in Tudor, cottage style, and Georgian properties. To consider the aesthetics of your home, if you have French doors it looks

very well to also have French casement windows.

Building regulations: if it is the case that emergency escape routes are a consideration, casement windows offer dual functionality, both as a window and as an emergency escape. And 6mm tempered glass's shatter-resistant property is also suitable for building codes.

Specifications:

Item □ 6mm Tempered Glass Aluminium casement window

Size: Customized

Glass thickness: 6mm(others have 4/5/8mm)

Glazing □ Can be Single/Double glass/Laminated glass

Color □ Clear/frosted/tinted (grey, blue, bronze, etc.) can be customized.

Packages □ Foam/bubble+plywood



SDG-6mm Tempered Glass



Aluminium casement window

Company Information

Shenzhen Dragon Glass is your ideal Shop for all of your building glass materials. We offer various glass types of curtain wall, window & door, partition, stairs, and balustrade at competitive price. We have been in the building materials business for many years.



Shenzhen Dragon Glass Factory

- **QUALITY**—We pride ourselves on delivering a first class result each and every time. we also have IGCC,SGCC,EN 12150,ISO 9001 certifications
- **RELIABILITY**—With our ‘Turn-up Guarantee’ you can rest assured we will be there. So your project will be completed on time. We won’t leave you waiting.

FAQ

1.Does SDG have price list?

Since the majority of our products are customized, we don’t maintain a standard price list. However, we can provide you with the quotation examples from our previous clients for your reference.

2.How can we start the work?

First, please provide us with your detailed dimensions or technical drawings. Based on your requirements, we will formulate a solution and provide a quotation.

Second, once all details are confirmed, we will prepare shop drawings for your review and approval.

Finally, upon order placement, we will commence production promptly.

3. Who do you work with?

Most of our clients are house builder, developer, contractor, architect, wholesaler, etc.

In conclusion, 6mm Tempered Glass Aluminium casement windows are a reliable, stylish, and energy-efficient option for homeowners looking to upgrade their space. Whether you're replacing old windows or building a new home, consider the benefits of casement windows to provide your home with excellent ventilation, natural light, and lasting durability.

For more information or to schedule a consultation, reach out to the team at [Shenzhen Dragon glass](#) today.