

Juliet Balcony Glass

Toughened laminated safety barrier for full-height upper-floor door openings

Critical Safety Requirement

Toughened glass alone is NOT acceptable for Juliet balconies. Only toughened laminated glass may be used — it remains intact after breakage, maintaining the safety barrier. This is a mandatory requirement under BS 6180.

Product Overview

A Juliet balcony provides a transparent safety barrier at a full-height door opening on an upper floor, allowing the doors to open fully for ventilation while preventing anyone from falling. The glass must be toughened laminated to ensure it stays intact after breakage — toughened-only glass shatters completely, removing the barrier entirely. Available as monolithic (single panel) or as a DGU Juliet with Low-E for thermal insulation where the glass forms part of the building envelope.

Configurations

Type	Glass Makeup	Thickness	Weight/m ²	Application
Monolithic	T4+0.76PVB+T4	8.8mm	21 kg	With continuous top handrail
Monolithic	T5+0.76PVB+T5	10.8mm	26 kg	Enhanced strength
Monolithic	T6+1.52PVB+T6	13.5mm	31 kg	Heavy-duty / freestanding
Monolithic SGP	T6+1.52SGP+T6	13.5mm	31 kg	Maximum post-break strength
DGU Juliet	T4-16-6.8L Low-E	26.8mm	26 kg	Thermally insulated Juliet
DGU Juliet	T6-16-8.8L Low-E	30.8mm	31 kg	Enhanced DGU Juliet

Specifications

Property	Specification
Glass	Toughened laminated — mandatory
Min height	1100mm from finished floor level (Approved Document K)
Impact rating	Class 1(B)1 per pendulum impact test
Barrier load	0.36 kN/m minimum (residential, BS 6180)
Edge finish	Polished all round as standard
Options	Clear, low-iron (Optiwhite), tinted, frosted, DGU with Low-E

Handling, Storage & Lead Times

- **Storage:** Store vertically on A-frames under cover. Never store flat.
- **Handling:** Suction cups for units over 25kg. Mechanical handling over 60kg.

- **Edge protection:** Protect edges during transport. Avoid glass-to-glass contact.
- **Installation:** Install within 28 days of delivery for warranty validity.
- **Temperature:** Do not install below 5°C. Allow units to acclimatise first.

Product	Standard	Express	Notes
Standard DGU	3-5 days	1-2 days	Most configs
Triple Glazed	5-7 days	3-4 days	Warm edge std
Integral Blinds	10-15 days	—	Made to order
Jumbo Units	5-10 days	—	Size dependent
Shaped Units	5-7 days	—	Template req.
Fire-Rated	7-14 days	—	Availability
Walk-On Glass	7-10 days	—	SGP lamination
Smart Glass	10-15 days	—	PDLC film

How to Order

Contact our sales team: 020 8574 9342 | 07305 993794 | sales@csultd.co.uk | csultd.co.uk — quotes returned within 2 business hours (Mon-Fri, 8am-5pm).