

Building Regulations & Glazing

Approved Documents Part L, K/N, B, O and E as they apply to glazing specification

Part L — Thermal Performance (2021)

Part L sets maximum U-values for glazing to minimise heat loss:

Application	Max U-value (New Build)	Max U-value (Replacement)	CSU Standard (28mm)
Windows	1.4 W/m ² K	1.4 W/m ² K	0.9 W/m ² K — exceeds 36%
Roof windows	1.4 W/m ² K	1.4 W/m ² K	1.0 W/m ² K — exceeds 29%
Rooflights	1.7 W/m ² K	1.7 W/m ² K	1.0 W/m ² K — exceeds 41%
Doors (>60% glazed)	1.4 W/m ² K	1.4 W/m ² K	0.9 W/m ² K — exceeds 36%
Curtain walling	1.6 W/m ² K	—	1.0 W/m ² K

Part K/N — Safety Glass Locations

Toughened or laminated glass is required in these critical locations:

- **Doors & side panels:** within door leaf or 300mm of door edge, floor to 1500mm.
- **Low-level:** lowest edge below 800mm from finished floor level.
- **Bathrooms:** all glazing in rooms with bath/shower, floor to 1500mm.
- **Full-height panels:** floor-to-ceiling.
- **Adjacent to stairs:** staircase enclosures.

Part B — Fire Safety

Fire-rated glass is required in compartment walls, fire doors and escape routes. Must achieve the required E/EW/EI rating (30-120 minutes) and be installed in tested approved framing.

Part O — Overheating (2022)

New residential buildings must demonstrate overheating risk is managed. Solar control glass (g-value ≤0.40) is a primary compliance tool for south/west-facing glazing — Suncool 66/33 (g=0.33) or Suncool 50/25 (g=0.25) are typical starting points.

Part E — Sound Insulation

Minimum airborne sound insulation is required between dwellings. Acoustic glass with asymmetric configurations achieves 36-50+ dB Rw.

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).