



Glass Regulations AS1288-2021

Door Glass

Small panels in doors 3mm and 4mm annealed glass is permitted to a maximum of 0.1m² and a maximum panel width of 125mm.

- Small panels in doors 5mm and 6mm annealed glass is permitted to a maximum of 0.26 m² with a maximum panel width of 300mm
- Unframed doors other than those in bathrooms shall be glazed with toughened safety glass with a minimum of 10mm thickness.

Side Panels (Glass which has its vertical sight line within 300mm of door opening)

- A minimum of 5mm ordinary annealed glass may be used up to a maximum area of 0.3 m²
- For decorated glass 3mm and 4mm glass shall not exceed 0.1m² to a maximum panel width of 125mm.
- For decorated glass 5mm and 6mm glass shall not exceed 0.26m² to a maximum panel width of 300mm.
- Grade A Safety glass to TABLE 5.1 if the panel is within 1200mm from floor or ground level and fully framed.

Windows (Low Lights)

All low level glazing where the lowest sight line is less than 500mm from the ground or floor level shall be Grade A safety glass to Table 5.1 except:

Fully framed glazing (windows) the use of ordinary float glass not less than 5mm is permitted to a maximum area of 1.2 m². Larger areas of ordinary float glass are not permitted regardless of glass thickness.

Bathrooms

All Glass in bathrooms should use Grade A or B safety glass for fully framed glazing. The only exception being a mirror, which is either fully adhered to the wall or fully protected by a vanity or bench with a minimum height of 760mm and a minimum depth of 300mm.

- Partly framed glazing shall be glazed with Grade A Safety Glass with a minimum thickness of 5mm to an area not exceeding 2.2m³
- Frameless glazing in shower screen doors and returns shall be Grade A toughened or laminated with a minimum thickness of 6mm.

Making Glass Visible

If the presence of glass is not made visible in a door, side panel or a panel capable of being mistaken for a doorway or opening and is not made apparent by other means, the glass shall be marked to make it visible. Marking shall be in the form of an opaque band not less than 20mm in height and located so that the vertical height from the floor level is:

- Not less than 700mm from the upper edges of the band and
- Not more than 1200mm to the lower edge of the band.
- Making glass visible is not a substitute for safety glazing.



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Glass which could be mistaken for a doorway or opening.

Ask yourself “could anyone mistake the panel for a doorway or opening and potentially walk into the glass”?

If yes, use Grade A safety glass

NOTE: The panel cannot be mistaken IF:

- Opening is equal to or less than 500mm wid.
- Lowest sight line is 500mm above the floor
- The sight size height is less than 1000mm
- The glazing is opaque or patterned
- A chair rail is provided with its upper edge not less than 700mm and its top edge not more than 1000mm above the floor level.
- The panels are louvres with a blade width not greater than 230mm
- A difference in floor level of 1000mm

Louvre Blades (Subject to human impact)

- Where Grade A safety glass is required and louvres are used, those louvres shall be Grade A toughened safety glass.
- A nominal thickness of 5mm up to 230mm in blade width and 1000mm in blade length i.e.: bathrooms, side panels, aged care and schools.

Two Edge Unframed Glazing

Glazing with two horizontal edges unframed shall be Grade A safety glass and comply with the following.

- 5mm toughened to a maximum 1000mm span
- 6mm toughened to a maximum 1200mm span
- 6.38mm laminated to a maximum 750mm span

Pool Fences & Gates

- A pool fence panel height must not be less than 1200mm.
- A pool fence gate must open out from the pool and be self-closing.
- A standard pool fence gate width is 1000mm.

Stairway Glazing

Glazing including mirrors in stairways, shall be Grade A safety glass in the following situations:

- Within 2000mm horizontally and at right angles to the bottom riser of each stair flight.
- Within 1000mm and parallel to any part of the stair flight or landing.
- Safety glass is not required where the glazing is protected by a solid barrier not less than 1000mm in height.

Glass Balustrading

- The minimum glass thickness is 12mm toughened safety glass.
- The minimum height to be at 1000mm from the finished floor level.
- Panels using just toughened safety glass above 1000mm from finished floor level require a handrail fitted, this is so that in the event of glass failure, the rail will act as a barrier preventing people from falling or walking through.
- Toughened laminated safety glass must be used in the case a handrail is absent.
- Toughened laminated safety glass must be used if there is a fall greater than 5000mm.
- Horizontal gaps between panels must not exceed 125mm.
- Vertical gaps underneath panels must not exceed 100mm.