

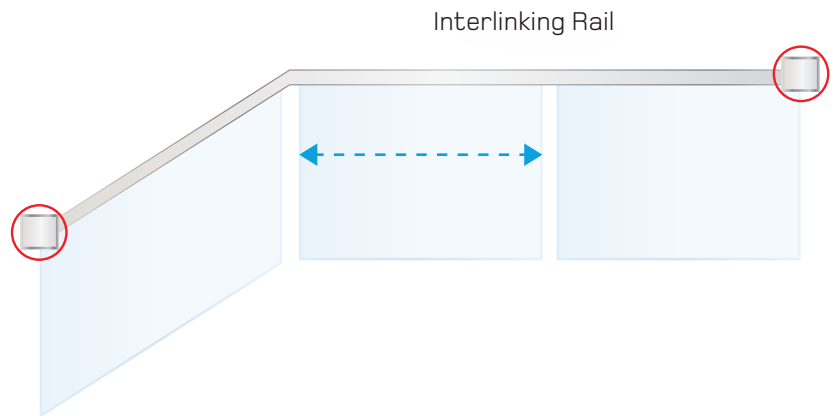
NEW BALUSTRADE, DOORS AND SIDELIGHT GUIDE FOR NEW ZEALAND RESIDENTIAL HOUSES

THIS DOCUMENT IS A DESIGN
GUIDE ONLY AND MUST BE READ IN
CONJUNCTION WITH NZS4233 PART 3
2016 PS1 AND PS3 DOCUMENTS FROM
METRO PERFORMANCE GLASS.

RESIDENTIAL BALUSTRADE GUIDE

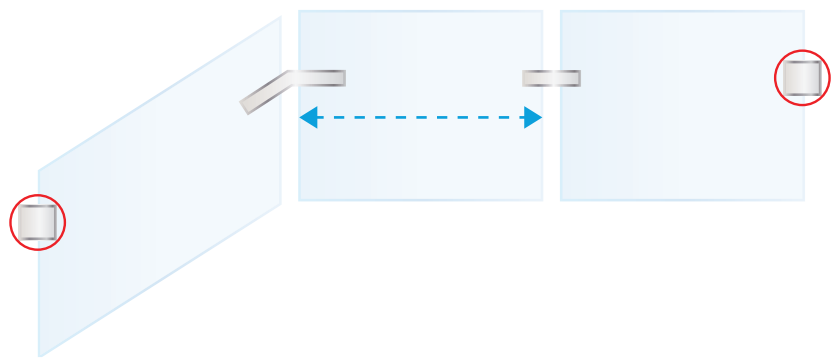
All balustrade systems (fixing and restraint from a fall) must be tested and approved by a chartered professional engineer (CPEng) as listed on the IPENZ** statutory register and accessed by councils to verify approved authors for compliance.

Monolithic Toughened Safety Glass



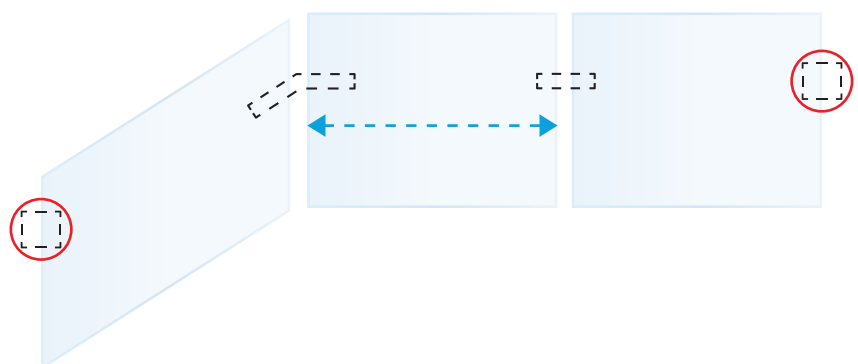
For Monolithic Toughened Safety Glass, the panel width is determined by t

Laminated Toughened Safety Glass with EVA Interlayer



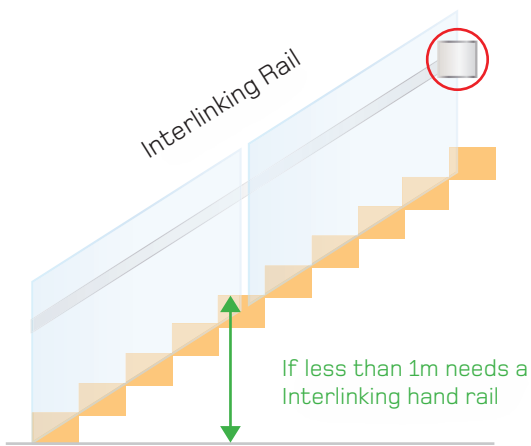
For Laminated Toughened Safety Glass with EVA Interlayer, the panel width

Laminated Toughened Safety Glass with Stiff Interlayer

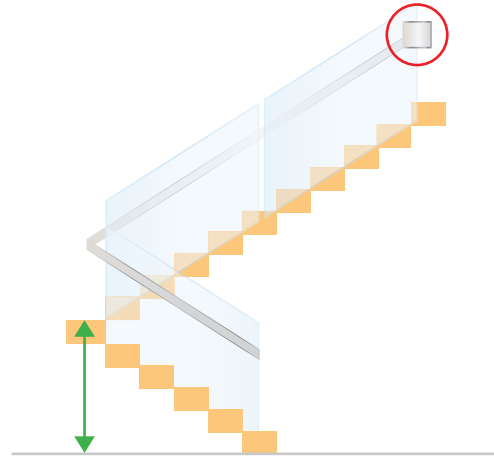


For Laminated Toughened Safety Glass with stiff interlayer, the panel width

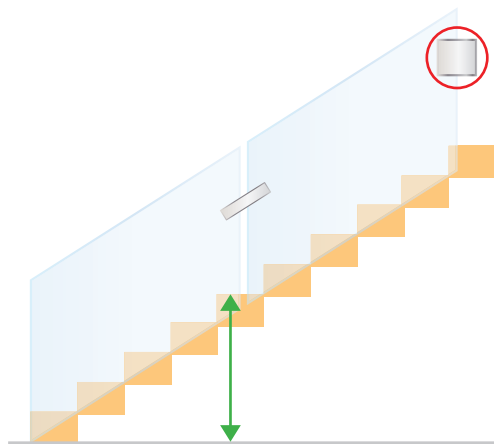
* Note all stairwells will require a handrail to comply with NZBC D1. This can be included within the balustrade as a complete solution.



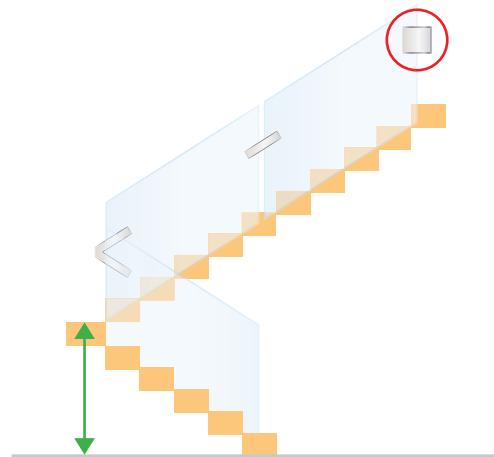
the Interlinking Rail



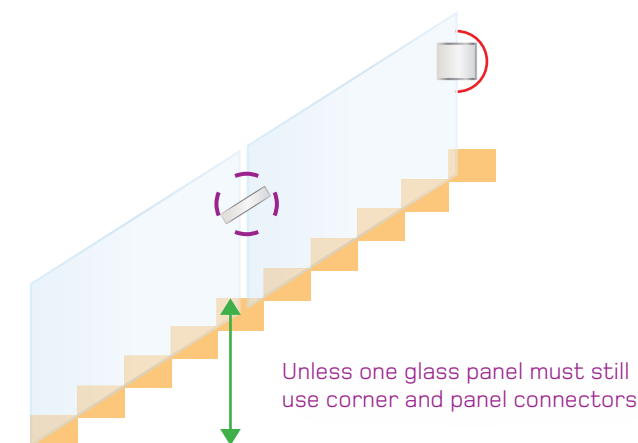
Fixed at the ends of the balustrade to the building structure



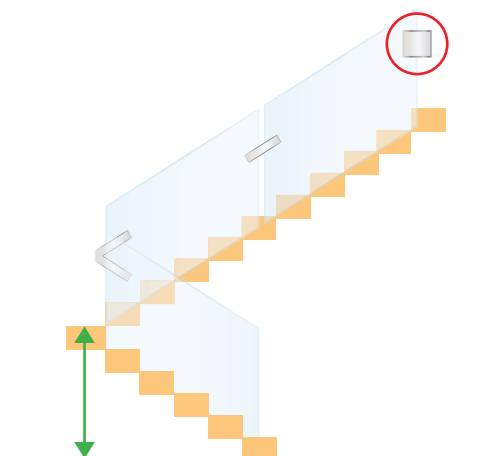
hs will be determined by the tested system



Fixed at the ends of the balustrade to the building structure



hs will be determined by the tested system



Fixed at the ends of the balustrade to the building structure

RESIDENTIAL DOUBLE GLAZING DOORS AND SIDELIGHT GUIDE (FRAMED)

Single Glazing

≤ 0.50m² = 5A
or 4T


Double Glazing

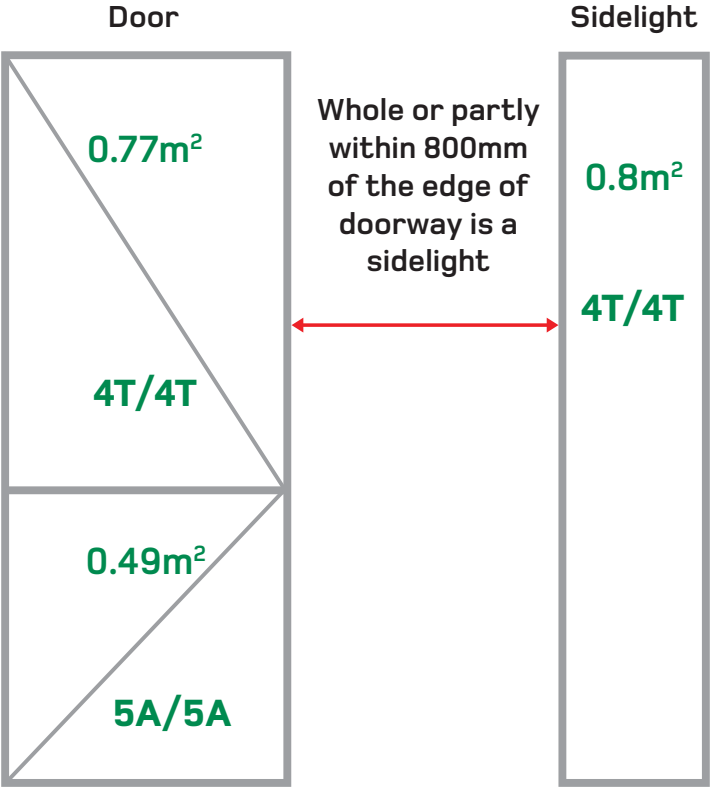
≤ 0.50m² = 5/5
or 4T/4T

≤ 0.75m² = 5/5
or 4T/4T

> 0.75m² = 4T/4T

Note Rails and Transom Heights Are No Longer Relevant in Residential Doors and Sidelight

Sliding Door	Sidelight
<p>1.04m²</p> <p>4T/4T</p> 	<p>1.14m²</p> <p>4T/4T</p>
<p>0.63m²</p> <p>5A/5A</p>	<p>0.71m²</p> <p>5A/5A</p>



5A = 5mm Annealed
4T = 4mm Toughened