



Product Features

Sentinel Bullet-Resistant glass is a multi-laminated glass typically used in Police Stations, Government and Embassy facilities and sometimes schools. Understanding the level of protection required is vital to establishing specifications for your bullet-resistant barrier project. Different levels are rated for effectiveness at stopping specific types of projectiles.

Bullet-resistant glass is constructed using layers of laminated glass. The more layers, the higher the protection. When a weight reduction is needed, 3mm of flexible polycarbonate (a thermoplastic) is laminated onto the safe side. This polycarbonate stops the spall. The aim is to make a material with the appearance and clarity of standard glass, but with effective protection from small arms. An EVA plastic interlayer also provides resistance to impact from physical assault from blunt and sharp objects.



Sentinel options

- ◇ Toughened laminate
- ◇ Performance laminates
- ◇ Coloured laminates
- ◇ Decorative laminates



Sentinel size ranges

- ◇ 3mm - 12mm thick toughened safety glass
- ◇ Maximum 36mm thick combined thickness
- ◇ Interlayers available 0.38, 0.76, 1.52 thickness
- ◇ Maximum glass size: 3200 x 2200
- ◇ Minimum glass size: on request

Sentinel pricing

- ◇ Available on request, depending on glass size, combinations and interlayers used.

Sentinel product specifications

- ◇ Length and width tolerances 2mm
- ◇ Alignment +/- 2mm
- ◇ Bow is not to exceed 1:300
- ◇ Normal tolerances for toughened glass apply
- ◇ Hole misalignment of 3mm
- ◇ Inclusions and bubbles are acceptable if not visible from 3m
- ◇ Laminated glass will show distortion between the two or more pieces of glass and this is considered normal and acceptable. It may be more noticeable from distortion from the toughening process and is considered normal.

Sentinel warranty

- ◇ User shall determine the suitability, or not, of laminated glass for their project and any sale is subject to the Terms & Conditions on our website.
- ◇ Laminated glass has issues as a product which should be considered when being used. Not limited to; New Zealand's high UV, rain and high humidity, and these must be considered.
- ◇ Any shrinkage, delamination or discolouration around the edge of laminated glass is considered normal and is more likely to increase over time.
- ◇ Normal industry glass standards apply to inclusions in the glass or applicable edgework.