

about **US**

COMPANY OVERVIEW

National Glass Distribution is led by CEO and founder Anthony Adler. Established in 1995 the company offers two decades of industry experience in the South African glass and aluminium market.

PROFESSIONAL ADVICE

Our specialists consisting of Competent Person (Glazing), MSAGI (Cat 2) graduates and AAAMSA approved SAFIERA accredited simulators are able to assist your project team, ensuring the correct glass and aluminium is specified to meet the National Building Regulations and SANS Standards.

ENERGY EFFICIENT SAFETY GLASS RANGE

Eagle Aluminium's in-house thermal simulators have developed the Premier Green Safety Range. It consists of our very best performing fenestration products to meet the ever demanding energy efficiency requirements.



GLASS

Distribution and processing of float, mirror, architectural performance, insulated energy efficient, SABS certified toughened and laminated safety glass.



ALUMINIUM

Eagle Aluminium forms part of the National Glass product mix which offers an extensive selection of residential and commercial windows, doors, showers, Eco-Fly Screens, louvres and security barriers.



MACHINES

Sole rights to distribute Eagle Aluminium Processing, Dewey Glass Processing and Waterjet SA machinery.

contact **US**

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TOLERANCES

EXTRACT FROM AAAMSA SELECTION GUIDELINES 2012 - CHAPTER 10.4.4

SCRATCHES AND BLEMISHES

The scratch and blemish inspection should be viewed at a distance of 3 metres under normal lighting conditions.

Normal lighting conditions shall mean reasonable lighting conditions under which the product is normally viewed.

If visible when viewed from a distance of 3 metres under the lighting conditions described, the product/s may be rejected.

Acceptable glass scratches are:

- under 75mm long in any area, or
- greater but within 75mm from the edge.

DISTORTION

- Glass will always have a degree of distortion.
- Toughened glass has more distortion than annealed.
- Wedged gasket systems tend to create more distortion.
- Temperature and atmospheric pressure affect distortion in SIG units.

SIG UNITS

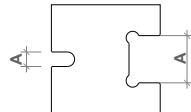
- SIG spacers are set in from the edge to allow for the inclusion of a secondary seal.
- The rebate and the soft mastic primary seal of the unit are not perfectly flush with the spacer.
- The spacer and the sealant may protrude beyond the sight line, this is considered acceptable.

COLOUR VARIATION

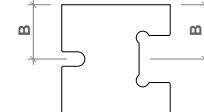
- Colour which is determined by reflectance and transmission may vary slightly and is considered acceptable.

CUT OUT / SLOTS

Thickness	By Hand	By CNC
Cut out size		
4, 5, 6mm	± 2mm	± 1.0mm
8, 10mm	± 3mm	± 1.0mm
12mm	± 3mm	± 1.0mm
15mm	± 5mm	± 1.0mm
Cut out location		
All	± 3mm	± 2mm



A = Cut out size



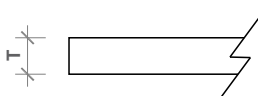
B = Cut out location

BOW

Thickness	Bow
4, 5, 6mm	1mm per 200mm
8 - 19mm	1mm per 300mm

THICKNESS

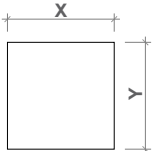
Thickness	Float Glass	Patterned Glass
4, 5, 6mm	± 0.2mm	± 0.5mm
8, 10mm	± 0.3mm	± 1mm
12mm	± 0.3mm	N/A
15mm	± 0.5mm	N/A
19mm	± 1.0mm	N/A



T = Thickness

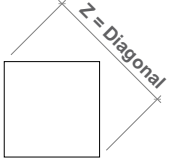
CUT TO SIZE

Dimensions	Tolerances
Dimensions < 1500mm	± 2mm
Dimensions > 1500mm	± 3mm



DIAGONAL

Dimensions	Tolerances
Dimensions < 1500mm	± 2mm
Dimensions > 1500mm	± 3mm



HOLE POSITION

Edge Distance to center of hole	Tolerances
Up to 1000mm	± 1mm
Up to 3000mm	± 2mm
Up to 3660mm	± 3mm

