



NATIONAL GLASS

DISTRIBUTION

Company Profile

Professional Advice | Dependable Quality



National Glass Distribution is a leader in the South African glass and aluminium manufacturing arena, supplying the domestic and commercial markets.



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THE
VANTAGE

Two Decades *of* Industry Experience

National Glass Distribution led by CEO/Founder Anthony Adler since 1995.

With a culture of quality at its heart it is driven by an energetic and dynamic management team led by daughter Belinda Louw, fellow directors Francois Viljoen , Gary Martin and National Managers Nic Kruger and Alwyn Gouws.

A team of in-house industry professionals made up of **SAFIERA** accredited simulators and **SAGI Competent Persons** provide expert advice from initial design to final delivery.

National Glass Distribution has warehouses and manufacturing facilities nation wide involving:

- Distribution & processing of float, mirror, architectural performance, insulated energy efficient, SABS certified toughened & laminated safety glass.
- Eagle Aluminium forms part of the National Glass product mix which offers an extensive selection of residential and commercial windows, doors, showers and Eco-Fly Screens.
- Sole rights to distribute Eagle Aluminium Processing, Dewey Glass Processing and Waterjet SA Cutting machinery.

Technical Expertise

Design Assistance



- Glass Floors
- Wind-loading Graphs
- SANS Tables Deviations
- Swimming Pool Rimflows
- Glass Specifications
- Solar Performance Glass
- Balustrade Testing
- Thermal Stress Analysis

Energy Efficiency



- SAFIERA Accredited Thermal Simulators
- Warm Edge Double Glazed Solutions
- U-Value Performance Figures
- SHGC Performance Figures
- Energy Efficiency Solutions

Regulations



- **SANS 10400-N** : Application of the National Building Regulations - Glazing
- **SANS 1263-1** : Safety and security glazing materials for buildings - Part 1
- **SANS 10160-2** : Basis of structural design for buildings - Part 2
- **SANS 613** : Mechanical performance criteria for fenestration
- **SANS 10137** : Installation of glazing in buildings
- **SANS 204** : Energy efficiency in buildings

Trusted Advisors



- Professional Certified Advice
- Inspirational Leadership
- Sharing Knowledge



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DISTRIBUTION

1 of 9 in South Africa

Nic Kruger

Competent Person (Glazing) Cat 1

Nic Kruger, National Sales & Marketing Manager, has been awarded **Competent Person Glazing (Cat 1)** status by the South African Glass Institute.

*He joins an elite group of industry leaders, being only the **2nd person to achieve this in 12 years.***

Competent Persons Glazing (Cat 2) may deviate from deemed-to-satisfy tables found in SANS 10400-N; using a rational design based on the relevant tables found in SANS 10137; provided it is co-signed by a Competent Person Glazing (Cat 1) and a wind load has been specified by a qualified person.

A special application of glass such as, but not limited to, underwater viewing panels, glass floors, glass balustrades, stair treads, frameless entrances and bolted assemblies require the written approval of a Competent Person Glazing (Cat 1). Such written approval shall be included with the glazing certificate issued to the building inspector for the relevant contract.

National Glass has built a formidable advisory of **SAGI graduates** comprising of a **Competent Person Glazing (Cat 1)** and numerous **(Cat 2)** as well as a team of qualified **SAFIERA thermal simulators**.

They are able to assist in optimizing your glass and aluminium requirements to achieve the most cost effective solutions.

Nic Kruger
MSAGI - CPG1



Photographs used are for illustration purposes only



Glass

Distribution and processing of clear float, mirror, toughened and laminated safety, solar performing and energy efficient insulated glass.

Product Offering

Clear and Tinted Float

Every thickness of clear and tinted float glass available on the South African market. Additionally we are able to source specialist glass from a worldwide network of manufacturers.

Toughened Safety

National Glass Distribution has two Tamglass toughening furnaces, our toughened safety glass is SABS approved and proudly carries the SANS 1236-1 and SANS 1193 marks. Toughened safety glass is 5 times stronger than ordinary glass and breaks into small fragments that are less likely to cause injury.

Laminated Safety

Laminated safety glass is manufactured by bonding two or more sheets of glass together with a vinyl interlayer that increases security, offers protection against UV radiation and improves sound reduction. Our laminated safety glass is SABS approved and carries the SANS 1263-1 mark.

Mirrors

Mirrors are available in a number of thicknesses suited to commercial and domestic applications. Decorative products include tinted and venetian strip mirror.

Bullet Resistant

Bullet resistant glass is available in various thicknesses to meet different ballistic requirements.

Insulated (SIG)

National Glass Distribution manufactures insulated glass (double glazed) units using warm edge technology, which have the following benefits and functions:

- controlling heat and cold transfer through windows
- reduction of sound transmission
- minimizing the formation of condensation on glass



Glass Processing

Arris: A manual process that removes only sharp edges.

Machine Polish: The cut edges of the glass are ground down leaving a smooth edge with a matt finish.

Brilliant (Shine) Polish: The smooth ground edges are further processed to provide a clear and bright edge.

Bevel: Glass can be bevelled at an angle which reflects light for decorative purposes.

Silk Screening: A stencil process in which colouring matter is forced onto the glass through the meshes of a screen.

Computer Numerical Control (CNC): These machines are used for the processing of complex designs or where greater accuracy is required during cutting and processing.

Finger Grooving: This is a machined groove, which is used in place of a handle on a sliding glass panel.

Drilling: Holes drilled into glass.

Rounded Corners: Corners of glass rounded to various radii.

Waterjet: High volume precision cutting only available with a dull machine polish.





Aluminium

Our registered rounded window sash design, with its attractive soft line profile, combines traditional appeal with a variety of powder coating colours. **Eagle Aluminium** is also able to supply flat sash to match existing products.

WINDOWS

Top Hung | Side Hung | Fixed
Horizontal | Vertical Sliding

DOORS

Patio | Renaissance | Quad | Palace Sliding
Vista | Duo Fold | Hinged | Pivot | Swing

SHOWERS

Pivot | Pentagonal | Tri-slider | Corner Entry
Return Panels | Bath Screens | Frameless

ECO FLY-SCREENS

Retractable | Sliding

SECURITY BARRIERS

Retractable | Fixed

LOUVRES

Y Louvres | Z Louvres





Machines

National Glass Distribution has the sole rights to distribute **Deway** glass processing, **Eagle** aluminium processing and **Waterjet SA** cutting machinery.



Deway Glass Processing

Excellent product knowledge combined with comprehensive after sales service has established the **Deway** brand within the glass processing industry, the product range includes:

- Glass Straight Line Edging Machine (9 Wheels)
- Glass Straight Line Edging Machine (4 Wheels)
- Glass Drilling Machine
- Glass Vertical Washing Machine
- Glass Horizontal Washing Machine



EAGLE MACHINES

Aluminium Processing Equipment

Great value for money and an extensive product range have allowed **Eagle Machines** to experience rapid growth in the South African market, the product range includes:

- Single Mitre Saw
- Double Mitre Saw
- End Router (A) Manual
- End Router (B) Pneumatic
- Single Axis Copying Router
- Double Axis Copying Router
- Single Point Crimping Machine (Hydraulic | Pneumatic)



For high precision and low running cost, a **Waterjet SA** cutter is capable of cutting a variety of durable materials.

- Waterjet Cutting Machine





Eco-Fly Screens

The modern design of the discreet and versatile cassette system of the retractable Eco-Fly Screen allows it to fit most window and door reveals.

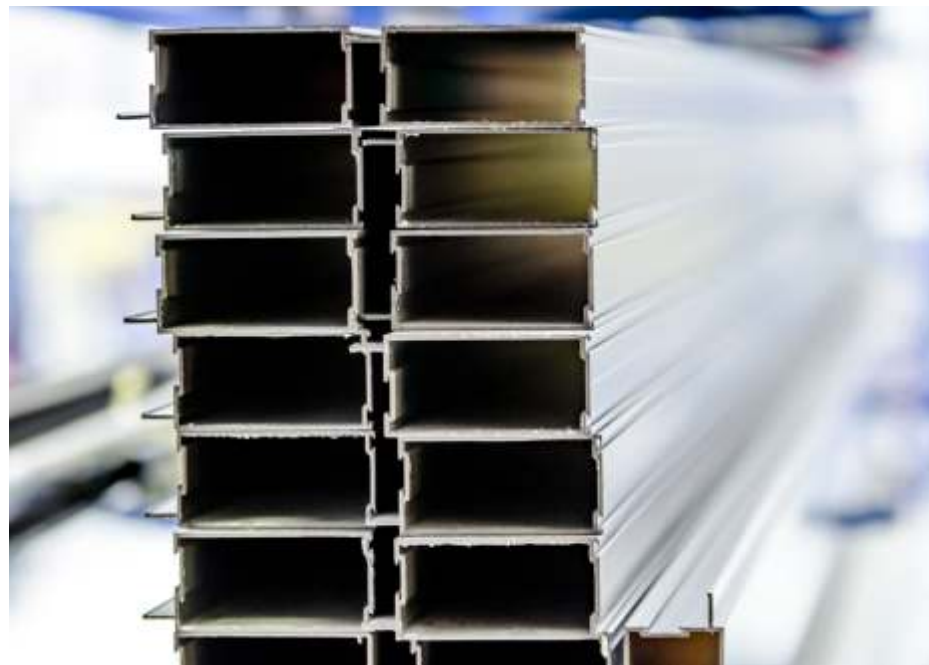
Eco-Flyscreens solely distributed by **National Glass Distribution**, are retractable and/or sliding panel insect screens that offer a practical and visually appealing eco-friendly solution when it comes to preventing flies, mosquitos and other unwanted flying insects from entering both domestic and commercial properties.

For our extensive range of fly screens visit www.ecoflyscreens.co.za



Extrusions

National Glass Distribution has extended its product mix to include aluminium extrusions.



A complete range of window, door and shopfront profiles of exceptional quality are available at competitive pricing.

Customers now have the ability to purchase complete fenestration products or relevant profiles and glass should they wish to manufacture their own, making National Glass Distribution a complete one stop shop.



Retractable Security Barriers

Secure your home with an Eagle SECURA Glide gate. Manufactured from only A grade material, our gates come standard with multi interlocking system for maximum strength and added security.

Features:

- Manufactured to comply for both window and door applications
- Silent sliding action through multiple brushes inside top rail
- Available in all standard powder coated colours

Mechanical:

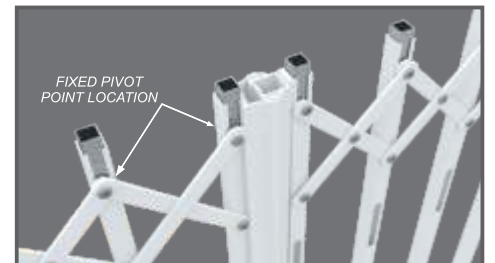
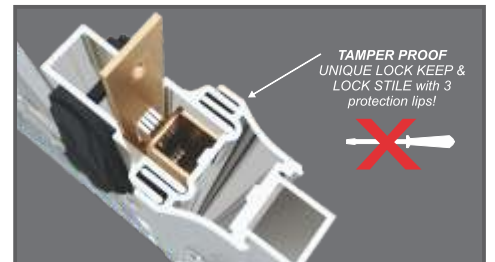
- Improved top and bottom rail
- Unique rotating bolt system guides the gate in the bottom rail
- Operates on solid bearings in the top track

Structural:

- Unique interlocking system with multiple protection lips
- No leverage points makes the lock virtually tamper proof
- Security grade aluminium provides crucial structural strength

Hardware:

- 2100mm height is supplied with 1 lock (1 Slam)
- 2400mm height is supplied with 2 locks (1 Slam/1 Hook)





Associations

National Glass Distribution is affiliated with a number of associations that enforce a strict code of ethical conduct and adherence to the standards in the glass and aluminium industry.



The **Association of Architectural Aluminium Manufacturers of South Africa (AAAMSA)** was founded by eight companies in July 1974 to foster trade and commerce in relation to those persons associated in the manufacture and installation of architectural aluminium structures.



In 2006 the AAAMSA Group established the **South African Fenestration and Insulation Energy Rating Authority (SAFIERA)** to support its drive to promote energy efficiency in the building industry. SAFIERA's primary goal is to provide accurate and reliable energy performance rating system.



South African Glass Institute

Glazing in structures in excess of 10m height, overhead or sloped glazing, glass flooring, three and one edge supported glass, toughened glass assemblies and entrances, glass for balustrading supported by clamps, frameless shower doors, cubicles and enclosures etc. must be signed off and approved in writing by a Competent Person Glazing duly registered with the **South African Glazing Institute**.



South African Glass and Glazing Association

The **South African Glass and Glazing Association (SAGGA)** have accredited installers. These installers are skilled tradespeople who have agreed to a set code of conduct and who have qualified to apply a SAGGA certificate to any glazing undertaken.



SA Shower Enclosure Manufacturers Association

The **SA Shower Enclosure Manufacturers Association** standards specify requirements for shower enclosures for domestic purposes, which ensure that the product, when installed in accordance with the manufacturer's installation instruction, gives satisfactory performance when used as intended. This standard does not apply to shower cabinets or curtains and does not specify aesthetic and dimensional.



SANS 1263-1 SANS 1193

SABS provides a range of standards covering the demands of the Building & Construction industry, from quality management systems to test methods for specific materials or parts. These will help your organization to enhance customer satisfaction, meet regulatory, safety and reliability requirements, and ensure consistency of quality throughout the supply chain.



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EAGLE
ALUMINIUM



BRO. COMPANY PROFILE