



fg framelessglass
& security shutters



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In 1997 the
proud owner of
FG Frameless Glass,
Pal Hansen, introduced
the first Scandinavian
frameless system
to South Africa.



Since then, FG Frameless Glass's dedicated team used the experience they gained over the years to develop new more affordable South African systems, the FG02 Sliding Stacking Shutters, FG03 Sliding Stacking Doors and the FG04 Sliding Stacking Mesh System.

Using advanced technology, materials and fittings the Frameless Glass Systems are master crafted with clean lines and a superb finish. FG Frameless Glass is the leading supplier of Frameless Glass Systems in South Africa with an impressive line of successful projects spanning over more than 20 years. It is our invaluable experience that allows us to provide products and support.

THE ELEGANT FG03 SLIDING STACKING DOORS

FG Frameless glass installations can be done in various parts of the country, with agents based in the Southern Cape, Gauteng, Namibia and branches in Port Elizabeth and KwaZulu-Natal with the Head Office in Cape Town. The process of planning and installing frameless glass can take only four to six weeks, depending on the size of the project. Frameless Glass installations are done by our expert installers, ensuring that work is completed timeously, professionally and to the highest standard.

HIGH QUALITY MATERIALS

FG Frameless Glass uses nylon, stainless steel and aluminum components utilized in such a manner that they complement each other. This allows the system to a max height of 3m.

NEXT GENERATION TECHNOLOGY

Thanks to its predecessor, the FG01 system, the FG03 system has evolved into the first frameless sliding stacking system in South Africa with a cam lock design that enables the primary door to lock with a handle. The system is specifically produced for the South African weather and climate. The system is locally manufactured, leads to speedy service.

EASE OF USE

The cam lock system in the opening box, replaced spring loaded child locks and bottom sliding locks, eliminating bending down to unlock the primary

door. Should you want to use the primary door as an entrance door from the outside, an additional lock and handle on the outside is available on request.

WEATHER RESISTANT

The FG03 system has a unique internal drip tray built into the bottom track, to cope with water that might seep through in harsh weather conditions. The gutter has weeping holes leading the water back into the track (of which the base is slanted forward) and the water can be drained out via pipes or machine holes.

TOUGHENED GLASS

Security is created by fusing the 8mm or 10mm toughened glass onto beads and bars by means of structural tape, bolts and nuts. Once they are joined, they cannot be separated again, ensuring complete security.

LOCK AND SECURE

Once you swing the primary door into the closed position and turn the handle in the closing box, the cams will be activated, which in turn will push the panel into position, ensuring complete security.

VARIETY OF COLOURS

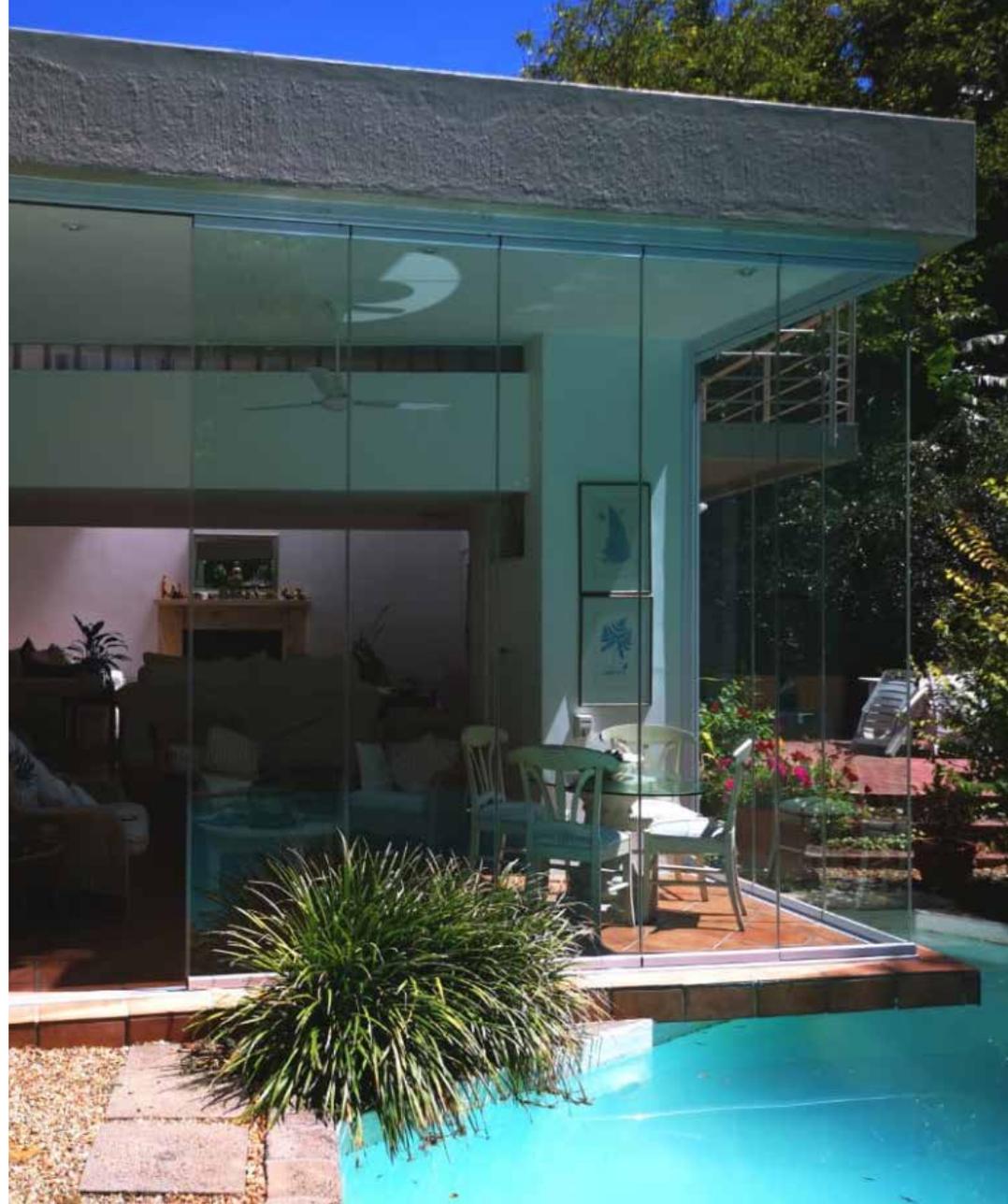
All parts and systems are manufactured in South Africa. There are various powder coating colours to choose from and anodising is also an option.

GUARANTEE

A guarantee of 5 years on workmanship and working parts forms part of your package. This guarantee excludes the weatherstrips which only carries a 1 year guarantee.

APPLICATIONS

The FG03 system complies to SANS 613 part N, making it the only Frameless Glass System in South Africa that has been tested by AAAMSA to a height of 2,7 meters that can be utilized as a primary application.



THE FG02 SLIDING STACKING SHUTTER SYSTEM

The shutters slide individually and swing open to stack, ensuring the ultimate in convenience and optimal usage of space. Added to this, when closed, the shutters will ensure complete privacy as the system makes use of manual louvres which, when closed, will block out 95% of the light. The elegant design and sleek lines ensures that the shutters will add to the visual appeal of your home or office, while we make use of advanced South African technology, materials and fittings for a superior product. The FG02 Sliding Shutter System comes with a 2 -5 year guarantee and

conventional sliding or hinge options are also available. The shutter system will also double up as an extra deterrent against forceful entry, thus enhancing the security of the venue.

LOUVRES

The louvres overlap to ensure a flat and easy to clean surface. Due to the unique design of the louvres, the system is 90% weatherproof and will keep out 95% of the light.

UNIQUE MECHANISM

Individual sliding stacking panels, (not bi-fold) is based on the same principle as the FG03. This means that the panels can slide past furniture and swing open at the far end of the system to optimize space.

LOCK SYSTEM

The primary door has a three-way lock system which secures the door in middle, top and bottom.

ADDED SECURITY

Each blade contains a 4 mm stainless steel rod with a washer on either side. Should be pounded with an object, it will bend, but the washers will not tear out of the housing. Between each panel there is a tongue and groove section, spanning covering the whole section from the top to the bottom. This will prevent a crowbar from being forced between the panels. A sliding mechanism (based on the same principle as FG03) ensures that the panels cannot be lifted out of the tracks.

WEATHER PROOFING

Although the system will keep out most of the water, it is not insulated,. It is therefore not advisable to be used as a primary application in the South African climate. It is the only shutter system where the bottom track also acts as a gutter, to lead out any water that might seep through (making it

90% weatherproof).

GUARANTEE

The following guarantees are in place:

2 years on workmanship and moving parts (external application).

5 years on workmanship and moving parts (internal application).



THE FG04 SECURITY MESH STAINLESS STEEL SYSTEM

The FG04 sliding stacking mesh system was created due to popular demand for a secure wire mesh application. This system combines the innovative FG03 technology with a high quality mesh shutter.

The panels slide open and stack up, ensuring the ultimate in convenience and minimal usage of space. The elegant design and sleek lines ensures that the system will add to the visual appeal of your home or office. FG Frameless Glass uses advanced South African technology, materials and fittings for a superior product.

The FG04 Mesh System comes with a 5 year guarantee if used internally and 2 year guarantee if used externally. Conventional sliding stacking, bi-fold or hinge options are also available. The mesh system will also double up as an extra deterrent against forced entry, thus enhancing the security of the venue.

To find out more about our mesh systems, or if you require information on any of our other products, kindly contact a consultant at Frameless Glass today.



THE FG02

TECHNICAL ASPECTS

On average the house will be about 3 degrees cooler in summer.

1 INTERNAL HINGE PART

Locks on 2 degrees



2 GUIDING ARM (POTRUSES 27MM)

Due to the hinge lock, the length of the guiding arm is reduced. This eliminates obstruction with existing windows and doors.



3 BOTTOM TRACK IS A SEALED UNIT WITH INTERNAL GUTTER

It leads away and drains any water that might seep through.



4 SEALED ROLLER-BEARING WHEEL WITH NYLON CASING

It is positioned horizontally to prevent the panels from being lifted out of the track.



5 STAINLESS STEEL ROD

Each blade contains a stainless steel rod. (A deterrent against forceful entry).



6 TOP TRACK WITH COMPENSATING CHANNEL

It allows for a 7mm Upwards & 7mm Downwards setting should the structure settle at a later stage.



7 GUIDING BLOCK ON BOTTOM OF PANEL

Stabilises and aligns panel.



8 INTERLOCKING PROFILE

Male & female profile between panels to prevent crowbar from being wedged in between panels.



9 KEYLOCK

The primary door has a three-way lock system, which secures the door at the middle, top and bottom.



10 LOCK PIN

To enable the louvers to lock in the closed position for privacy from both inside and outside.



THE FG03

TECHNICAL ASPECTS

Bring nature into your house with unimpeded views.



1 GUIDING ARM

It is easy to remove the guiding arm to replace hinge parts.

2 ADJUSTABLE TOP TRACK WITH COMPENSATING CHANNEL

Allows for a 7mm Upwards & 7mm Downwards setting to ensure that the system runs level.

3 SEALED ROLLER BEARING WHEEL WITH NYLON CASING

Position Horizontally to prevent the panels from being lifted out of the track.



4 TURN HANDLE

Activate the cam to push the primary door into the double lip weather-strip.



5 PULL HANDLE

On both the in & outside of the primary door to pull the panel into the double lip.



6 ADJUSTABLE ALUMINUM BOX WITH DOUBLE WOOLPILE FOR CLOSING PANEL TO FIT INTO

Reduce rattle and the formation of dust on the inside.



7 BOTTOM TRACK IS SEALED UNIT WITH INTERNAL GUTTER

Leads away and drains any water that might seep through in extreme weather conditions.



8 INTERLOCKER

Dual locking system.



9 ALUMINUM QUATERROUND LOCK INTO BOX WITH DOUBLE WOOLPILE

Reduces deflection on opening panel.



10 DOUBLE LIP WEATHER-STRIP

“Capital H” affordable and easy to replace (DIY) weather-strip.



THE FG04

TECHNICAL ASPECTS

On average the house will be about 3 degrees cooler in summer.

1 INTERNAL HINGE PART

Locks on 2 degrees.



2 GUIDING ARM (POTRUDES 27MM)

Due to the hinge lock, the length of the guiding arm is reduced. This eliminates obstruction with existing windows and doors.



3 BOTTOM TRACK IS A SEALED UNIT WITH INTERNAL GUTTER

It leads away and drains any water that might seep through.



4 SEALED ROLLER-BEARING WHEEL WITH NYLON CASING

It is positioned horizontally to prevent the panels from being lifted out of the track.



5 STAINLESS STEEL MESH

A deterrent against forceful entry. Precisely woven 304 stainless steel mesh.



6 TOP TRACK WITH COMPENSATING CHANNEL

It allows for a 7mm Upwards & 7mm Downwards setting should the structure settle at a later stage.



7 GUIDING BLOCK ON BOTTOM OF PANEL

Stabilises and aligns panel.



8 INTERLOCKING PROFILE

Male & female profile between panels to prevent crowbar from being wedged in between panels.



9 KEYLOCK

The primary door has a three-way lock system, which secures the door at the middle, top and bottom.



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