



IKON™
ALUMINIUM

Brochure

CONTENTS

DOORS	3
INFINITY SLIDING™	4
ROMA FOLDING™	6
NERO HINGED™	8
PIATRA PIVOT™	10
WINDOWS	11
NOVA EURO CASEMENT™ - FRICTION STAY	12
NOVA EURO CASEMENT™ - TILT AND TURN	14
INSTALLATION METHODOLOGY	16
POWDER COATING	18
PG SMART GLASS	19
ABOUT US	21
PORTFOLIO	24
CONTACT	40



DOORS

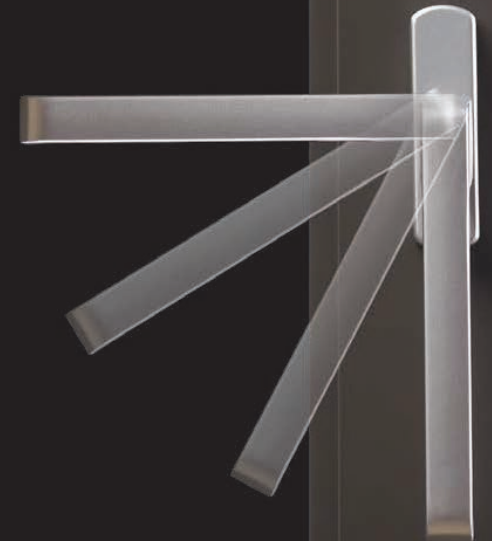


DOORS INFINITY SLIDER™

Our INFINITY Slider™ combines flawless operation and high weather resistance with an attractive design for effortless retraction of sliding doors and windows. These can be manufactured up to a height of 3.4 meters which allow for unparalleled panoramic views. In addition, the tried and tested four point lock guarantee's maximum security.

Main advantages:

- **Convenient and effortless operation due to innovative closing motion and heavy duty rollers that are engineered to sustain a weight of 300kg per panel. This allows for large format “glass walls” which blur the lines between indoor and outdoor spaces**
- **The 4 point locking mechanism provides the ultimate security barrier and peace of mind**
- **The stainless steel track maintains its like new appeal compared to the standard powder coated tracks which age quickly due to wear in even the most minimal use environments**
- **Large sliding panels can be realised of up to 3.4 meters high which allows for superior panoramic views**
- **A Modular Frame allows for an INFINITE amount of sliding panels with a variety of sliding directions**
- **Drainage channels with weeping holes in the sill were designed to direct water flow that gathers within the system to flow directly to the outside which ensures that water isn't trapped within the sill**
- **EPDM Gaskets are used to ensure minimal shrinkage is experienced. This achieves maximum resistance against air and weather infiltration**
- **Sliding panels stack flush with one another when opened in a single direction. This allows for a maximum opening and a clean, sleek aesthetic**



DOORS INFINITY SLIDER™



DOORS ROMA FOLDING™

Our Folding Stacking Door combines convenient operation, high burglar resistance with heavy duty hinges that complement the doors attractive design. The handle design will complement any premium home. The European design locks and fittings allow for the maximum security resistance and an unprecedented premium aesthetic for your home or commercial building. In addition to this the gaskets used throughout the system as well as the closed unit lever bolt outperform any door in the market with a high air and weather resistance.

Main advantages:

- **Convenient and easy operation with little effort**
- **Heavy duty hinges and European design locks and fittings**
- **High aesthetic appeal with premium hardware**
- **The 3 point locking mechanism provides the ultimate security barrier**
- **High Air and weather resistance due to gasket and closed unit rotary bolts**
- **The stainless steel track maintains its like new appeal compared to the standard powder coated tracks which age quickly due to wear in even the most minimal use environments**
- **Large sliding folding panels can be realised of up to 3.2 meters high**
- **Drainage channels with weeping holes in the sill were designed to direct water flow that gathers within the system to flow directly to the outside which ensures that water isn't trapped within the sill**



DOORS ROMA FOLDING™



DOORS NERO HINGED™

Our Hinged door combines convenient operation, high burglar resistance with heavy duty hinges that complement the doors attractive design. The handle design will complement the highest level of any premium home or commercial building. The European designed locks and fittings allow for the maximum security resistance and an unprecedented premium aesthetic for your Luxury home or commercial building.

Main advantages:

- **Convenient and easy operation with little effort**
- **Heavy duty hinges and European design locks and fittings**
- **High aesthetic appeal with premium hardware**
- **The 3 point Locking mechanism provides the ultimate security barrier**
- **High Air and weather resistance due to gasket and closed unit rotary bolts**
- **Large door panels can be realised of up to 1.2 meters wide and 3.2 meters high**
- **Drainage channels with weeping holes in the sill were designed to direct water flow that gathers within the system to flow directly to the outside which ensures that water isn't trapped within the sill**



DOORS NERO HINGED™



DOORS PIATRA PIVOT™

Our Pivot door is designed for luxury homes that are looking for a wow factor when receiving someone into their home. With its Italian 3 point multi locking point lock, the heavy duty floor spring with a 90 degree hold open function and soft closing mechanism. The handle of 2m long and cylindrical look and feel finishes the PIATRA Pivot™ doors bold appearance and presence it delivers for any premium luxury Home.

Main advantages:

- **Convenient and easy operation with little effort**
- **Heavy duty floor spring with 90 degree hold open function to ensure the door isn't slammed closed by the elements**
- **The floor spring performs a soft closing function**
- **High end aesthetic appeal with premium 3 point multi Lock**
- **Large door panels can be realised of up to 1.8 meters wide and 3.4 meters high**





WINDOWS

WINDOWS

NOVA EURO CASEMENT™ - FRICTION STAY

The outward opening function frequently offers substantial benefits such as efficient ventilation and no disturbing sash in the room. With its large sash formats and optimised functions the Nova Euro casement™ delivers a premium finish that compliments luxury homes and commercial spaces.

Features:

- **High performance multi-chamber system in symmetric design, quality assured weather chambers ensure top performance against weather conditions**
- **Corner and butt joint connection Technology for high rigidity of frames**

Fittings:

- **lateral application for side-hung opening**
- **top-side application for top-hung opening**
- **Sash weight: up to 45 kg**
- **Sash formats (w x h): up to 1700 mm x 1700 mm**



WINDOWS

NOVA EURO CASEMENT™ - FRICTION STAY



WINDOWS

NOVA EURO CASEMENT™ - TILT & TURN

This window is effectively three windows in one: it serves as a fixed window, an in swing casement window and a hopper window. So in one configuration, you have a flexible window that swings as you would expect. This orientation also allows for easy cleaning on both sides of the glass while doubling as a good exit window in emergencies.

In the other configuration, the tilt allows in breezes, helps deflect rain and locks into place against potential intrusions. Heat escapes through the top and air enters and exits around the edges, facilitating draft-free ventilation. In other words: you can leave the window open when you are away without worrying too much about security or the weather. When you switch back to the locked position, you can also feel the multi-point locking mechanisms click into place (4 point locks). This provides further security and a completely air-tight weather seal. When the window is in this closed position, you are also left with an uninterrupted view through a single pane of glass, versus something like a traditional two-piece sash window which may split your view down the center.



WINDOWS

NOVA EURO CASEMENT™ - TILT & TURN



INSTALLATION METHODOLOGY

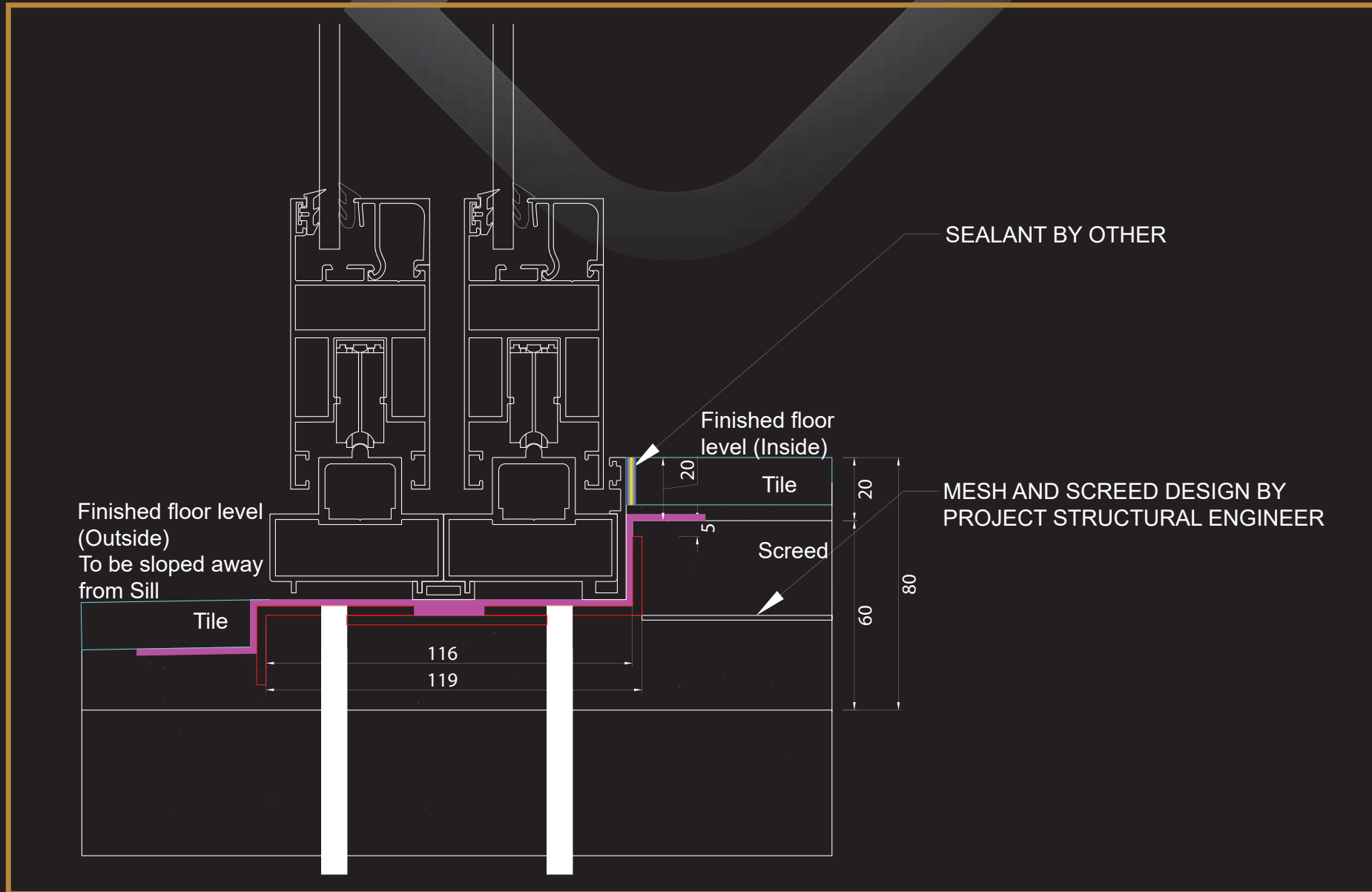
IKON Aluminium™ recommends best practice of installation methodologies to ensure that our products perform optimally without any unnecessary stress or friction on the Hardware and aluminium profiles.

This will ensure that our products perform BEST without unnecessary and frequent maintenance. In addition to this, leaking issues are also prevented.

These methodologies are based on European standards which are considered to be best practice around the world.



INSTALLATION METHODOLOGY



POWDER COATING



We pride ourselves in offering the best product and highest level of care when the application is done. To add more value and a longer lifespan to your product, IKON has partnered with QUALICOAT licenced applicators to bring you a more durable powder coating which has a 15-25-year warranty against fading and peeling.

QUALICOAT is a quality label organisation committed to maintaining and promoting the quality of coating on aluminium and its alloys for architectural applications.

To determine whether or not a coating meets a customer's requirements, the results need to be measurable against technical specifications. Working on behalf of customers who have their products coated, QUALICOAT defines comprehensive quality requirements and monitors their compliance by licensed plants worldwide. This gives purchasers of coated aluminium the assurance that they will receive a premium-grade product delivering long-term value and consistent quality.

QUALICOAT's mission is to provide best practice rules to obtain a good quality coating on aluminium.

To achieve this goal, QUALICOAT is committed in particular to:

- **establishing specifications for processes, products and tests to be used by the coating plants**
- **developing and improving these specifications**
- **granting licenses to coating plants that apply for the quality label**
- **testing and approving chemicals and coating products to be used**
- **monitoring the correct application of the specifications in licensed plants**





PG SmartGlass®

PG SmartGlass®

Our X1™ single glazed range of laminated glass panes carries a range of specialised coatings. This allows homeowners to use more glass whilst complying with legislation and benefiting from safety, security, sound reduction and UV control. It is important to note that legislation compliance does not necessarily lead to thermal comfort. That is why we offer a range of different performance options that can be specified to manage different solar and thermal comfort requirements for your home.

Our X2™ double glazed range is constructed using two panes of performance glass. If you need the very best blend of insulation, light, energy efficiency and all round comfort, the X2™ range has you covered. You have the choice of using laminated glass to enhance the secondary benefits of safety, security, sound reduction and UV control.

	Single Clear	X1 STD	X1 PLUS	X1 ELITE	Clear Double Glazing	X2 STD	X2 PLUS	X2 ELITE	X2 SUP
Zone 1 & 6 WTF Ratio %	15	21	21	21	28	33	33	33	35
Zone 2 to 5 WTF Ratio %	18	24	24	24	33	38	38	38	40
Visible Light %	88	83	60	43	79	67	54	52	69
COG - U-Value W/m	5.80	3.65	3.65	3.65	2.71	1.85	1.90	1.85	1.65
Solar Heat Gain Coefficient	0.80	0.71	0.55	0.43	0.70	0.51	0.47	0.44	0.38
Relative Heat Gain W/m	659	540	427	338	526	381	356	337	291

ABOUT US

IKON ALUMINIUM™

IKON Aluminium™ is home to one of South Africa's largest manufacturers and installers of architectural aluminium products. From heavy duty sliding doors to tilt and turn windows, each product is carefully crafted out of high quality materials and tailor made to fit the clients unique and discerning needs. Constructing a product that provides the highest standard of workmanship and years of trouble free service is a result of our impeccable attention to detail.

At IKON Aluminium™, our top quality service begins with the fact that we treat each project as if it's our own. From the initial relationship that is developed with the client, all the way through to the installation of the final product, each step of the process is treated with the highest level of professionalism and precision.

Our love for architectural aluminium products began in 2011 when we joined the PG Aluminium group. It wasn't long until we became a leader in the industry and began working on projects of a larger scale. However, as the years went by, we realised that in order to continue exceeding expectations, we needed to create our own brand with its own identity. We ultimately decided to part ways with the PG Aluminium group and created IKON Aluminium™. Our commitment to high quality products and services which our client have become accustomed to is guaranteed to improve under the IKON Aluminium™ brand.



SOUTH AFRICAN
INSTITUTE OF
ARCHITECTS
SAIA
saarchitecture.co.za
AFFILIATE MEMBER

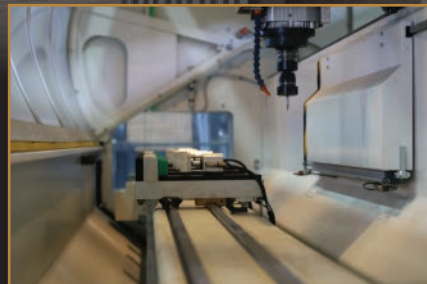
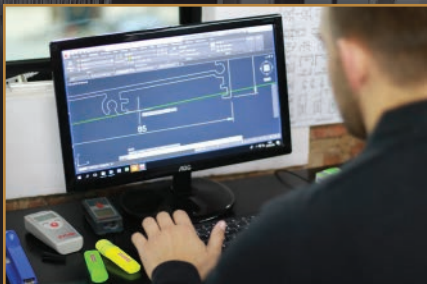
decorex
AFRICA

HOMEMAKERS expo

ABOUT US

MANUFACTURING FACILITY

2100m² Facility - Apex, Benoni.
All aluminium and glass products are custom made to the highest standard using the latest technology and equipment that is imported from Italy and Germany.



ABOUT US

IKON INNOVATION

IKON Innovation focuses on bringing you unique and innovative products, which we design and manufacture in-house together with our sister R&D Company INOVA Systems™.

We are not only aiming to be leaders in new innovation, but also at the forefront of increasing security whilst keeping all products aesthetically pleasing.

INOVA
SYSTEMS™

Working hand-in-hand with INOVA Systems we can design and deliver new window and door systems from CONCEPT TO INSTALLATION.



PORTFOLIO



RESIDENTIAL

HOUSE C - MEYERSDAL ECO ESTATE

- INFINITY Sliding™ door
- Nova Euro Casement™ windows
- Nero Hinged™ doors
- Qualicoat class 1 Matt Jet Black
- Low Emissivity glass



RESIDENTIAL

HOUSE C - MEYERSDAL ECO ESTATE



RESIDENTIAL HOUSE RR - RYNFIELD ESTATE

- INFINITY Sliding™ door
- Nova Euro Casement™ windows
- Nero Hinged™ doors
- Qualicoat class 2 Matt
Dark Umber Grey
- Low Emissivity glass



RESIDENTIAL
HOUSE RR - RYNFIELD ESTATE



RESIDENTIAL HOUSE V - RYNFIELD ESTATE

- INFINITY Sliding™ door
- Nova Euro Casement™ windows
- Nero Hinged™ doors
- Qualicoat class 2 Matt
Dark Umber Grey
- Low Emissivity glass



RESIDENTIAL

HOUSE V - RYNFIELD ESTATE



RESIDENTIAL HOUSE C - SANDOWN

- Superior sliding doors
- Casement windows
- Clip44 windows
- Matt Jet Black powder coated aluminium
- Standard glazing
- Stacking folding doors
- Frameless entrance pivot door
- Single hinged doors
- Patio sliding windows



RESIDENTIAL HOUSE C - SANDOWN



RESIDENTIAL

STAND 165 - NATURE ESTATE

- Superior sliding doors
- Casement windows
- Clip44 windows
- Black powder coated aluminium
- Low e laminated glazing
- Pivot entrance door with double action floor spring
- Single hinged doors
- Butt jointed corner windows
- Slopped / Arched Skylight



RESIDENTIAL

STAND 165 - NATURE ESTATE



RESIDENTIAL

STAND 685 - SERENGETI GOLF ESTATE

- Superior sliding doors
- Casement windows
- Clip44 windows
- Umber grey powder coated aluminium
- Low e glazing
- Stacking folding doors
- Pivot door with double action floor spring
- Single hinged doors



RESIDENTIAL

STAND 685 - SERENGETI GOLF ESTATE



RESIDENTIAL HOUSE M - HOUGHTON ESTATE

- Louvre fixed windows
- INFINITY sliding™ doors
- NERO Double & single hinged™ doors
- INFINITY Cavity sliders™
- NOVA EURO casement™ windows
- Matt Jet Black powder coating
- Double Glazed Units, Premium insulation properties



RESIDENTIAL HOUSE M - HOUGHTON ESTATE



RESIDENTIAL

STAND 43 & 44 - STEYN CITY

- Superior sliding doors
- Casement windows
- Clip44 windows
- Charcoal powder coated aluminium
- Low e laminated glazing
- Pivot entrance door with double action floor spring
- Single hinged doors
- Butt jointed corner windows



RESIDENTIAL

STAND 43 & 44 - STEYN CITY



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