

## Product Catalogue





Advanced Thermal  
Product Performance



Environmentally  
Sustainable



Over 50 Years  
Experience

**OMEGA® is proudly owned by McKechnie® Aluminium Solutions Limited, who have over 50 years' experience in extruding aluminium. This combined with contemporary European design means you get a product that not only looks aesthetically pleasing but can withstand the demanding weather climates of New Zealand.**

The traditional idea of a "barrier" that keeps the warmth in and the cold out isn't new. In a home the most common barrier is insulation. In windows and doors it's called a "Thermal Break" and just like insulation it stops heat from escaping or cold from entering your home.

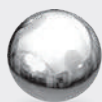
The OMEGA® Thermal Break technology is unique to us in this part of the world. Developed in Europe, our Thermal Break is positioned to the outside of the joinery which means the cold does not have the chance to get near the warmth inside. Therefore it performs much better as a "barrier" which results in advanced thermal performance.

The OMEGA® Thermal Suite was benchmarked and showed a 36% improved ("u" value) thermal performance compared to one of its standard competitors.

The innovative OMEGA® Thermal Suite is also designed to significantly lessen the Bi-Metallic effect which occurs in most joinery products. This means the doors are able to close smoothly when there is differential heat inside and outside.

Achieving a carbon footprint of 1.21kg of CO<sub>2</sub>e per kg of Aluminium on a Scope 1 and 2\* basis which is 90% better than the global average (11.5kg<sup>^</sup> CO<sub>2</sub>e per kg of aluminium) CEMARS® third party certified.

**0800 020 406**  
**omegawindows.co.nz**



**McKechnie**  
Transforming Aluminium

\*Full Life Cycle is 5.62kg of CO<sub>2</sub>e per kg of Aluminium  
\*Source: Rio Tinto







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OMEGA®'s most cost effective window and door system while still retaining our key features of smooth and hardwearing tracks. Recommended for heights of up to 2.4 metres and able to be glazed with glass up to 24mm thick.

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OMEGA®'s proprietary hardware range features our new Edge3 Handle furniture for windows and doors. Edge3 provides a very square modern appearance to compliment your new joinery. Also available colour matched to suit your needs.

## 8 Thermal Architectural Suite

Energy efficient when compared to Residential and able to carry very thick glass (30mm). Thermal is OMEGA®'s high performance solution for windows and doors in your home. Superior thermal performance have been designed into this product range.

## 12 Architectural Suite

Versatility and performance at scale. With uniform product depth you are able to seamlessly couple doors to windows along the elevation of a house. Designed with performance and scale in mind, the difference here is it has been designed for a light duty commercial usage.

## 16 Commercial Suite

OMEGA® host a range of Shop-front (centrally glazed) and flush-glazed products with many years of experience. Leading the way in ground floor commercial systems for over 30 years.

## 22 Retrofit & Replacement Windows

OMEGA® provide both standard and thermally-broken replacement window frames. We are the benchmark in replacement window technology.

## 20 Thermal Commercial Suite

The only thermal systems available in the commercial space in New Zealand. We offer centrally glazed 100mm and flush-glazed 150mm systems. OMEGA® offer some of the highest performing Thermal Commercial systems in Australia and New Zealand, as independently tested.

## 23 Thermally Broken Roof Windows

Designed to meet the demanding weather conditions of New Zealand, the OMEGA® Roof Window products have been appraised by BRANZ. Both fixed and opening roof glazing is available, providing twice as much light as a normal window or door.

## 24 Entrance Doors

OMEGA® have a unique range of Entrance Doors providing both striking looks and cost effective style. From the classic vertical Tongue 'N Groove to the contemporary painted glass doors, we have a style to suit your build.

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OMEGA® use Dulux powders for the finishing of your windows and doors. These can be supplied in a wide range of colours with 10 year or 20 year warranties available for the surface finishing.

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# Residential Suite

**When great looks and a great price are important, choose the OMEGA® Residential Suite.**

Tested to meet the performance requirements of NZS4211, the OMEGA® Residential Series meets or exceeds the Very High wind zone rating for all its products.

A full range of aluminium products are available including awning and casement windows together with bi-fold, hinged, french doors, sliding and stacking doors.

There are three types of window and door series' to choose from. Standard Residential Series, Architectural Series and our new Thermal Break Technology Series.



## Awning Windows

Awning windows are perfect for our changeable weather conditions, pushing out from the bottom to allow air circulation while still providing protection from the weather.

Available in a standard configuration or with our thermal break technology, features include:

- › Beveled beads and sashes for a robust appearance
- › Three sash options: pocket glazed single and double glazed sashes and beaded sash
- › Aluminium liners for a highly durable finish for wet areas
- › Clean awning platform with no deep traps for silt build up
- › Sloped condensation channel to aid the drainage of any moisture (for standard configurations)
- › Strong back mullions for zero awning frame projections and a clean exterior
- › OMEGA® sash fastener handles, venting and low profile available
- › Proprietary high performance condensation drainage.







## Sliding Doors & Windows

OMEGA® is an industry leader in sliding window and door performance. We feature proprietary components which manage seal compression. By doing this the panels are never forced off seals during extraordinary weather events.

- › Featuring proprietary components which manage seal compression, protecting against strong weather conditions
- › Exceeds the Very High Wind Zone performance requirements of NZS4211:2008
- › 'No trip' feature – floor finishes internally and externally can be at the same level
- › Sliding track provides a sump below track level to conceal silt or debris that may accumulate
- › The Polyamide Track System – by introducing this track element we have avoided the issue other suppliers have with surface finishing failing through excess load and wear
- › Proprietary track system which has been tested with a panel in excess of 300kg with our stainless steel sliding door roller
- › OMEGA® conducted door cycle testing (open and close operations) over 35,000 operations which equates to over 140km.

## Hinged Doors

Our OMEGA® range of Hinged Doors provides a flat-faced frame for a contemporary, robust appearance.

Residential Hinged & french Door Features:

- › OMEGA®'s European strip drive multi-point locking systems providing a rattle-free locking system
- › Adjustable door bracing system, anti-drop components
- › OMEGA®'s proprietary stainless steel hinged door strike plates with concealed fixings
- › Highly durable cast stainless steel lock connection, locking tip and lock tip strike
- › Door rail option available with a rebate for automatic smoke-stop seal. Can be utilised with 3 sided frames to provide draught control without a sill frame member.





## Bi-fold Doors & Windows

Bi-fold doors and windows are the modern champions when it comes to providing panoramic views unencumbered by obstructions once open. They are an excellent way to extend your indoor living to the outdoors.

- › There is no bi-fold solution more durable than a bottom rolling installation
- › Narrowest bi-fold door stiles available on the market – capable of 2m high door in a High Wind Zone, 2.2m in a Medium Zone
- › Heavy duty stile capable of 2.4m high doors in a High Wind Zone
- › NZS4211:2008 or 2.2m high doors in a Very High Wind Zone (0.9m wide panel)

- › Significant safety factor in design: bearings are rated at 135kg static load (270kg total)
- › All our hinged and folding doors incorporate our proprietary stainless locking systems
- › OMEGA®'s proprietary Polymide track system has been cycle tested at panel loads in excess of 300kg.

## Hardware

### Residential & Thermal Architectural

Designed for strength and is the perfect home for your contemporary or classic hardware design style to match your taste.

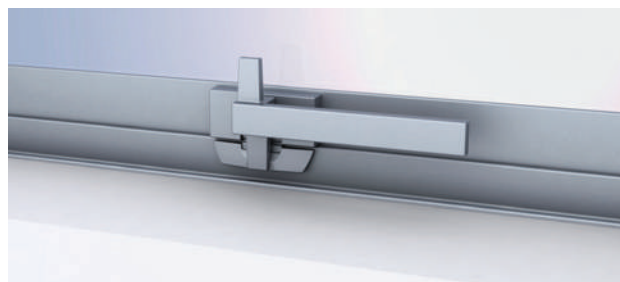
- › The hardware can be colour matched to the powder coated extrusions to ensure optimum colour integration
- › OMEGA® have also designed and developed some proprietary hardware for critical applications
- › We source all our aluminium requirements from our parent company, McKechnie Aluminium Solutions Limited, who are one of the oldest and most experienced aluminium extruders in New Zealand.



EDGE³ Crest D Sliding Door Handle



EDGE³ Square Hinge Door Handle



EDGE³ Window Fastener



Bi-Fold doors  
provide indoor and  
outdoor flow and  
maximise views





## Thermal Architectural Suite

Windows and doors account for more heat transfer in an insulated building than any other building component. Up to 60% reduction in heat loss can be designed into OMEGA® Thermal Windows.

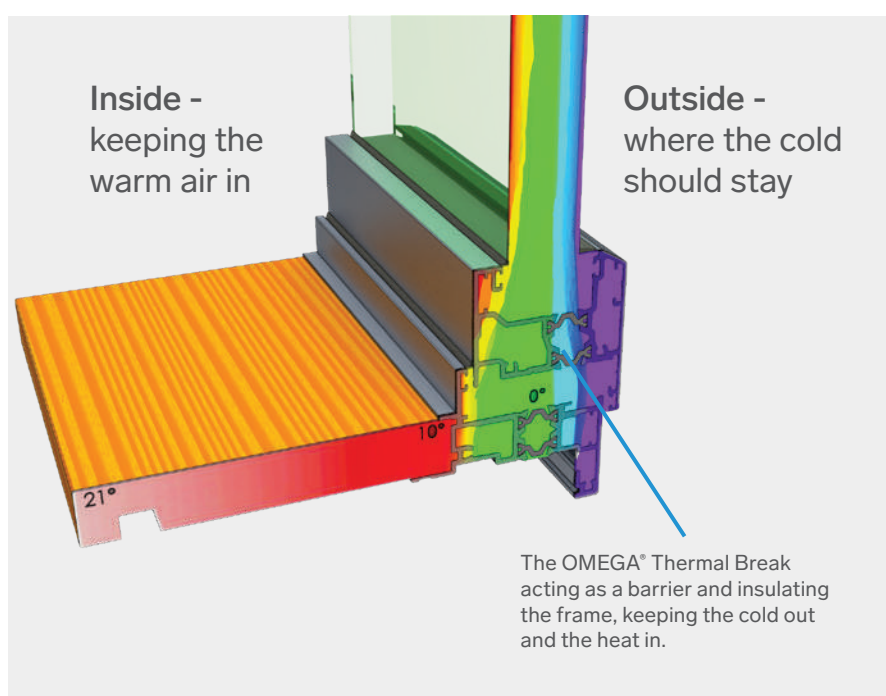
**The OMEGA® Thermal Break technology is unique to us in this part of the world.**

OMEGA® Dual Colour, provides the option to split colour between inside and out. This is one of the many features of OMEGA® Thermal Break.

During testing, our Thermal Break windows and doors showed a 36% improved ("u" value) thermal performance compared to another leading brand.

Our innovative design also significantly lessens the bi-metallic effect that occurs in most joinery products. This means the doors are able to close smoothly when there is differential heat inside and outside.





## How Thermal Break works

Developed in New Zealand, our Thermal Break is positioned to the outside of the joinery which means the cold does not have the chance to get near the warmth inside.

It acts as a barrier, keeping the cold air out and preventing the warm air from escaping –keeping your home warm, dry and comfortable all year round.



## Awning Windows

Our Thermal Architectural range of Awning Windows feature:

- › Square beads for an architectural appearance
- › Two sash options: pocket glazed and beaded sashes
- › Aluminium liners for a highly durable finish for bathrooms etc
- › Strong back mullions for zero awning frame projections and a clean exterior
- › OMEGA® sash fastener handles, venting and low profile available
- › Wide range of fixing options for every level of interior finish.



## Sliding Doors & Windows

Use of Q-LON™ seals in proprietary jointer detail to achieve the highest level of water and air performance.

- › Cycle tested to over 35,000 operations, more than 20 years of normal use
- › Designed for strength and aesthetics without compromising style

- › Optional concealed fixing of sliding door rails
- › Unique components designed to minimise water infiltration.



## Hinged Doors

Our Thermal Architectural range of Hinged Doors feature:

Solid European design to help eliminate Bi-Metallic effect

- › Thermal break to outside for higher thermal performance
- › Proprietary multi point locking system for strength and convenience
- › Foam perimeter seals available for high performance resistance to water and air infiltration
- › OMEGA® European strip drive provides rattle-free door locking.



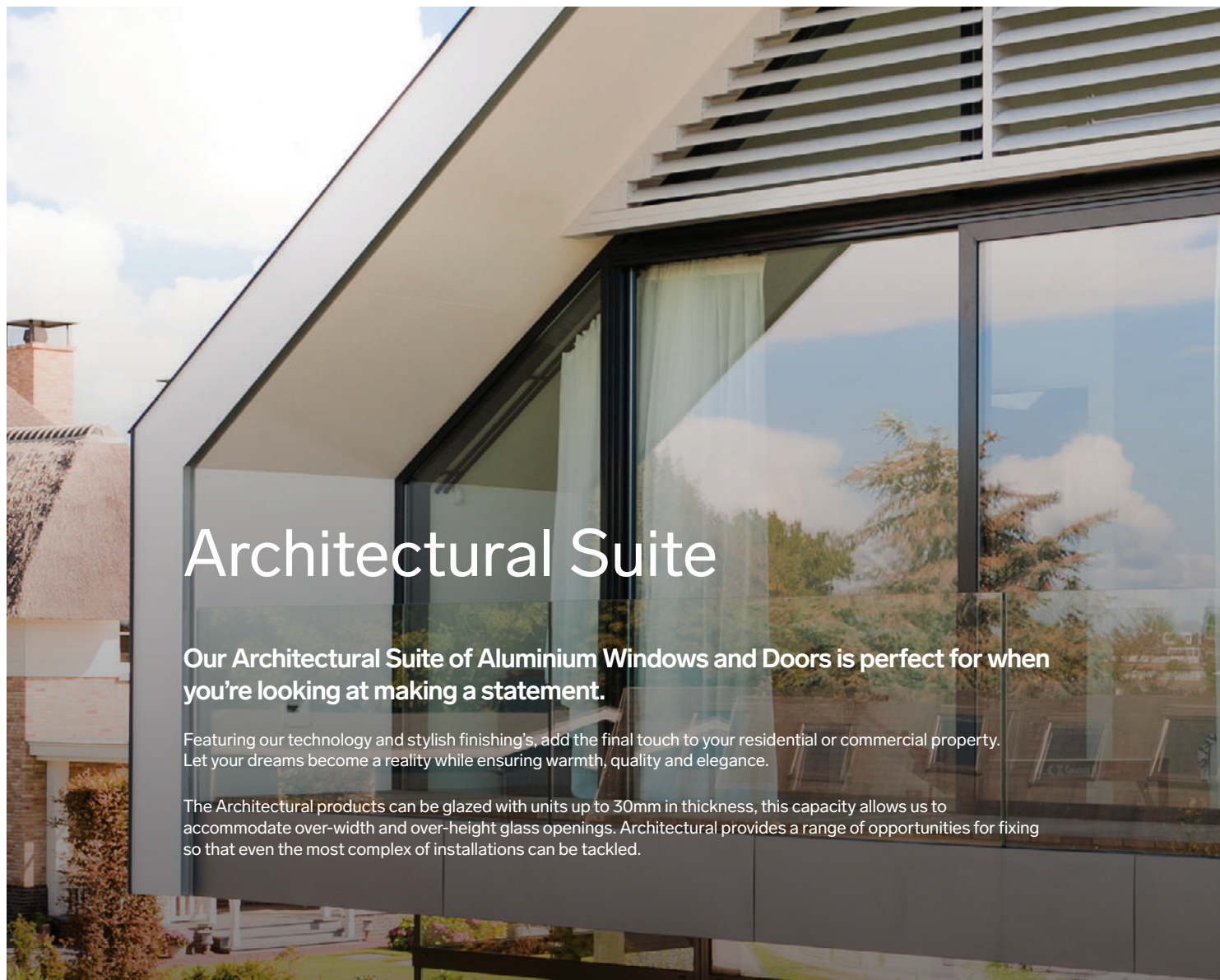


## Bi-fold Doors & Windows

Our Thermal Architectural range of Bi-fold Doors & Windows feature:

- › Narrowest site lines for Bi-Fold stiles in NZ market without compromising strength
- › High performance design allowing panels over 2.7m high with ease
- › Bottom rolling carriage with stainless steel rollers and track sweep, is one of the most robust carriage available in the New Zealand market
- › 56mm stile with heavy wall thickness to provide substantial strength in a narrow stile width
- › Stainless steel lock strikes for enduring performance
- › Heavy duty cast aluminium hinges to provide durability and strength.





# Architectural Suite

**Our Architectural Suite of Aluminium Windows and Doors is perfect for when you're looking at making a statement.**

Featuring our technology and stylish finishing's, add the final touch to your residential or commercial property. Let your dreams become a reality while ensuring warmth, quality and elegance.

The Architectural products can be glazed with units up to 30mm in thickness, this capacity allows us to accommodate over-width and over-height glass openings. Architectural provides a range of opportunities for fixing so that even the most complex of installations can be tackled.

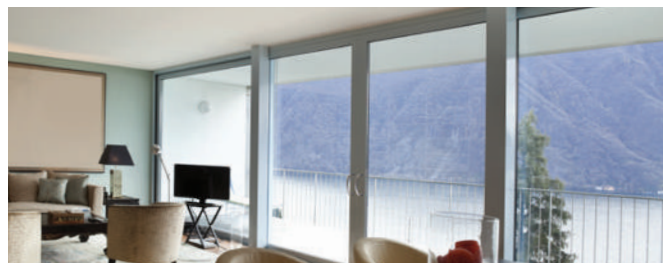


## Awning Windows

Our architectural range of awning windows feature:

- › 52mm platform with a contemporary appearance that provides substantial opening sash strength allowing large sash capability
- › Flat exterior sash options, with a glass line constant with the fixed light
- › Internally boxed mullions for strength and a commercial appearance
- › Framing options to provide cost effective installation for smaller windows
- › Split mullion option for strip glazing of larger units and allowing seismic expansion.





## External Sliding Doors & Windows

Sliding Doors where the moving panel slides over the external of the fixed panel glass provide the highest performance of any sliding solution. The tracks are outside of the living space meaning that there are no unsightly traps for grit or water inside the house. These doors are ideal for high-exposure environments or where large glass loads need to be carried effortlessly.

- › Glides on high capability rollers, capable of carrying 450kgs of glass
- › Sliding door panels are on the outside, providing a higher performance door installation
- › Sliding door panels can conveniently meet at 90 degrees
- › Fixed lights and sliding panels have common sightline appearance.
- › Proprietary 4 panel bi-parting door solution to provide the narrowest 4 panel joint on the market
- › Polyamide track to provide a robust surface for the rollers to smoothly glide on
- › Foam Q Lon internal perimeter sealing for higher weathering and acoustic performance
- › Unique raised track solution to allow water to drain quickly away.



## Hinged Doors

Our Architectural range of Hinged Doors feature:

- › Heavy Duty 46mm Cast Aluminium Hinges to provide durability and strength
- › 52mm panel depth to provide additional span capability for the door suite
- › OMEGA® proprietary strip drive locking. Provides durable/silent operation for multi-point locking of doors
- › Range of proprietary stainless steel door strikes with concealed fixings
- › Wide door stile and rail options for additional strength
- › Foam Q Lon perimeter sealing for higher weathering and acoustic performance.



## Bi-fold Doors & Windows

Bi-fold Doors and windows are an excellent way to extend your indoor living to the outdoors.

- › Bottom rolling bi-fold to get the operating loads back to the slab
- › 52mm stile with heavy wall thicknesses to provide substantial strength in a narrow stile width
- › Stainless steel lock strikes for enduring performance
- › Heavy duty cast aluminium hinges to provide durability and strength
- › Robust Proprietary bottom rolling hardware
- › Doors have been designed suitable for above 2.7m heights in a very high wind zone.







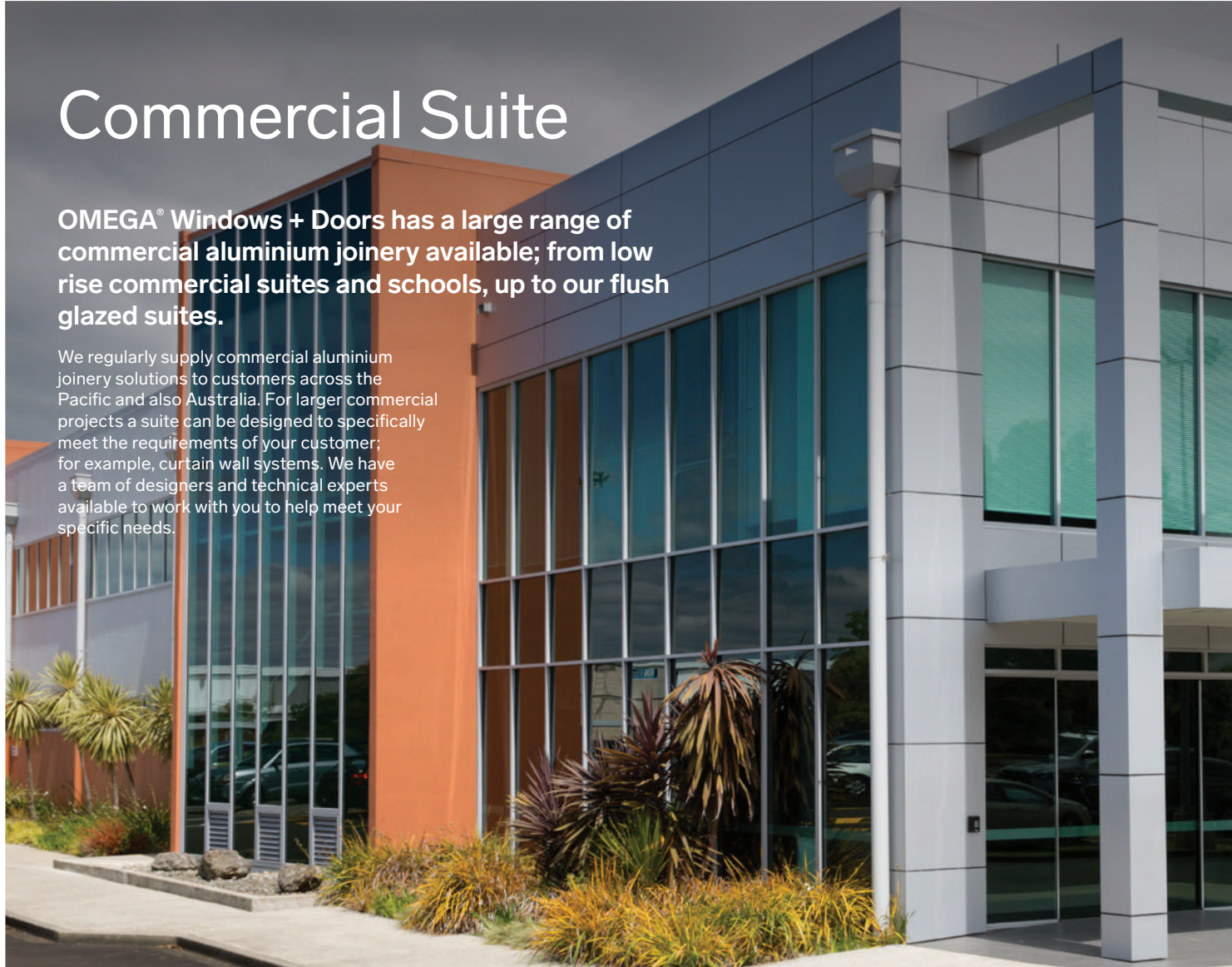
The OMEGA® Architectural suite is designed with elegance and performance in mind.



# Commercial Suite

**OMEGA® Windows + Doors has a large range of commercial aluminium joinery available; from low rise commercial suites and schools, up to our flush glazed suites.**

We regularly supply commercial aluminium joinery solutions to customers across the Pacific and also Australia. For larger commercial projects a suite can be designed to specifically meet the requirements of your customer; for example, curtain wall systems. We have a team of designers and technical experts available to work with you to help meet your specific needs.

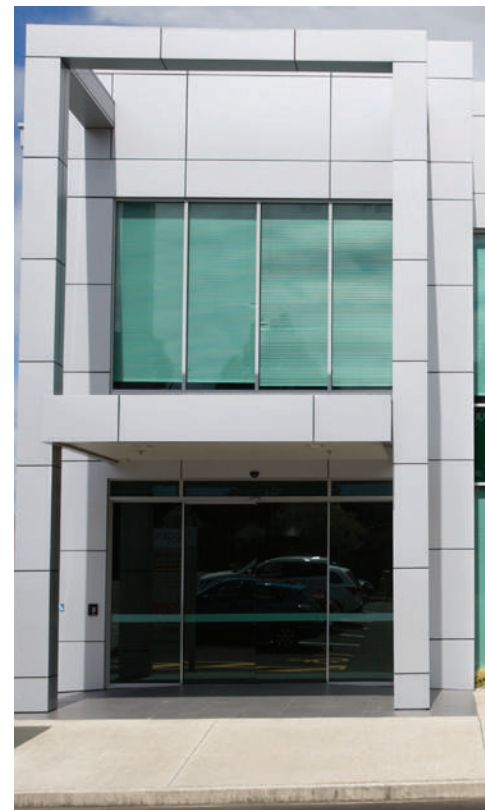


## Shopfront

The system offers both generic 75mm and 100mm Shopfront, which can be centrally glazed with up to 10mm glass. However, OMEGA® also offer a double glazed shopfront that can carry up to 29mm glass units with New Zealand Standard appropriate glazing systems.

OMEGA® Pacific Shopfront is often used for internal partitioning work and we have extensive support information for the use of this suite including weather testing data.

- › Standard single glazed suite designed for up to 10mm glass
- › High performance single glazed suite designed for up to 14mm glass
- › Double glazed suite designed for up to 29mm glass
- › Can be seismically installed
- › Window and door sash adaptors available.







## Hinged Doors

Typically shopfronts will use automatic closing or automated sliders for their entry point. OMEGA® Pacific Doors provide a range of panel types to suit each application and operation type.

- › Pivot doors
- › French doors
- › Safe stile for pivot door installations
- › Jacking kit for preventing door sag.



## Flush Glazed

OMEGA® 106mm and 159mm Flush Glazed Commercial provides the ultimate in flexibility, strength and design. The 106 suite has been designed to provide an approach to high glazing where it's easy to integrate all opening sash types.

- › OMEGA® 106 and 159mm Commercial can accept 29mm glazing units with ease allowing for performance driven design with large glass openings
- › The suite can be pocket glazed or structurally glazed for a seamless glass appearance to fixed glass portions of your building
- › The 106 and 159mm Commercial is performance driven design that can cope with the most demanding of environments
- › Sliding Doors can be coupled to Hinged Doors, 106 and 159mm Windows, Bi-folds and large pivot door assemblies.



## Sliding Doors

Designed with strength and modern clean lines, to suit any commercial install.

- › Can be configured from single to multiple panels to cover a range of opening sizes
- › Able to be used with automatic door closer systems
- › Accommodates a range of locks to suit your security needs
- › Sliding doors designed with strength and modern clean lines to suit any commercial install.

## Shopfront Bi-folds

OMEGA® Commercial Bi-folds, offer a smooth running top hung system rated to 70kgs per panel.

This product is perfect for maximising openings in shop fronts or opening up servery height windows, perfect for bars and cafe type windows. The product can be set up to open inward or outward and is designed to provide many years of trouble-free smooth operation.

OMEGA® Commercial Bi-folds can be designed to incorporate a hinged door or French door to give convenient access. OMEGA® Commercial Bi-folds use European drive bar technology for superior multi-point locking and zero drive rod rattle of conventional systems.

- › Polyamide tracks for top hung smooth running
- › Ideal for flexibility and maximising of an opening, open part or open the whole assembly
- › Many configurations available to suit your needs
- › Servery type installations to suit counter top installation
- › Range of panel types available to suit a wide variety of glazing configurations
- › Zero threshold options for clean, step free access system.





# Hardware

## Architectural

Handle hardware, is the point at which you can offer some customisation to your new windows and doors. The Architectural Range of joinery from OMEGA® provides the canvas for you to apply any designer hardware.

The Architectural Suite is designed for strength and is the perfect home for your contemporary or classic hardware design style to match your taste. As with the other OMEGA® suites we have partnered with the best hardware suppliers in New Zealand to bring you the latest innovations.

## Commercial

Commercial hardware is often specified at Architect level and is designed for maximum strength and durability requirements. We have a range of both proprietary, where appropriate and components supplied by the leading hardware suppliers in New Zealand.

OMEGA® Commercial Joinery has a range of heavy duty extrusions for operable sashes. OMEGA® hardware provides years of trouble free operation and is designed to accompany and compliment our commercial joinery.



# Thermal Commercial Suite

**OMEGA® thermal commercial suites are unique in the NZ market, 100mm shop-front to 150mm flush glazed suites, wide glazing platform allows for large expanses of glazing.**

The exceptional thermal performance is backed up by extensive testing to wind speeds as high as 300km/h. OMEGA® have access to one of the leading thermal joinery manufacture plants in the world. When coupled with a high performance 34mm glass unit, this suite offers the best resistance to the winter cold available for joinery in New Zealand, a true market leader in all regards.



## Flush Glazed

OMEGA® Thermal Flush Glazed Suite was designed to compliment the already successful Thermal Shopfront. Utilizing the same glazing capacity and architectural aesthetic it's performance exceeds that of the OMEGA® Thermal Shopfront.

It's a 150mm thermal system capable of mullion heights up to 5.4m.



Crisp, clean square profiles and modular construction compliment this market leading product.

- › 150 x 62mm flush/front glazed framing system
- › Thermally broken seismic sub-frames
- › Tested to wind speeds in excess of 300kmh (4500Pa SLS)
- › 56mm hinged doors can be integrated into the façade





## Shop Front

OMEGA® Thermal Shopfront was designed to answer the increasing need for energy efficiency in commercial and residential joinery.

The excellent thermal performance of the Thermal Shopfront is just the beginning of the suites status as a great choice for the environment.

OMEGA® Thermal Shopfront is manufactured from material sourced from McKechnie Aluminium, claiming the highest level of recycled metal content in New Zealand.

The Thermal Shopfront can carry very large double glazing units, this is facilitated by its glazing pocket dimension, 40mm, allowing the suite to easily handle a 34mm glass unit.

The system was designed for shopfront work, so can easily integrate a door or window sash.

- › 100mm centrally glazed
- › Designed for double glazing up to 34mm in thickness
- › 52mm awning window sashes
- › 56mm thermal door sashes
- › Cast aluminium hinges for strength
- › Thermally Broken Seismic frames available
- › Split Mullion Design for unitized glazing.



## Hinged Doors

Our OMEGA® range of thermal hinged doors integrate elegantly into the Thermal Commercial range.

The 56mm door system has been designed with broad flat faces to demonstrate its strength.

High quality hardware and multipoint locking is recommended to compliment this high performance system.

With a large capacity glazing pocket and heavy duty panel, high specification double glazing units can be handled with ease.

The panel will easily accommodate glasses resistant to forced entry, for example 11mm anti-bandit glass types even as a double glazing unit.

This capacity provides a very strong and intruder resistant entrance door.

- › 56mm door panel
- › Range of top, bottom and vision rail dimensions
- › Tested to wind speeds in excess of 230kmh (2500Pa ULS)
- › High quality hardware
- › Capable of carrying a 34mm glazing unit with ease.





# Retrofit & Replacement Windows

## Why Retrofit Double Glazing?

- › Cost effective way to transform your home and comfort without total replacement of your joinery
- › Installation options to suit your existing joinery
- › Modernising the look for your home.

## Standard Replacement Windows

Double Glazing provides a warmer, drier and quieter environment for the interior of your home.

There are long term savings and other health benefits given the proper insulation of your home.

Your existing timber joinery is retained and new frames, beads and glass is inserted. This insert frame process will incorporate new sashes, stays and handles, effectively giving your home cost effective maintenance and making it feel like new.

You can also specify the use of laminate glass in the glazing unit to virtually eliminate UV rays from entering your home, this also has additional acoustic benefits.

## Thermal Replacement Windows

Thermal Replacement was designed to replace timber sashes and single glazing in New Zealand's ageing housing stock.

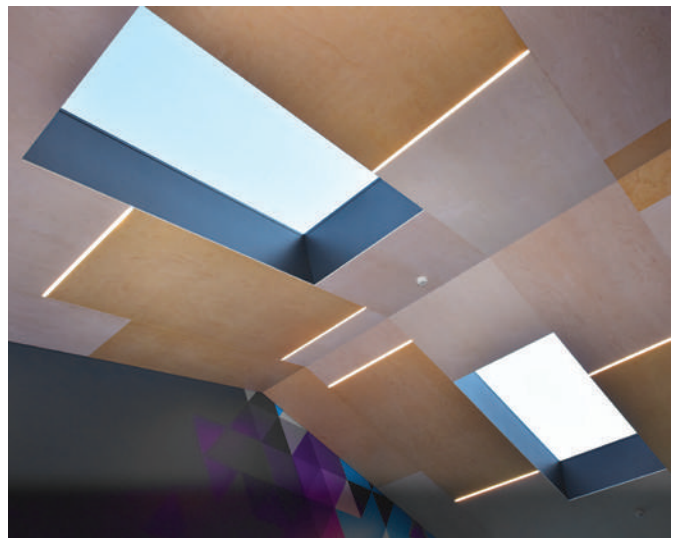
OMEGA® Thermal Replacement is an industry first, bringing the modern benefits of thermally broken aluminium joinery into the replacement window market.

Our thermal sash is bracket fixed and not screw fixed for superior construction, this is the standard in sash construction in Europe for long lasting performance.

OMEGA® also designed the sash to allow its retro-fitment into standard aluminium joinery and allow a 22mm glazing unit.

OMEGA® Thermal Retrofit is the market leader in thermal rating for a residential replacement window. When used in conjunction with a Low E glass double glazing unit with a warm edge spacer you couldn't find a better solution for your homes replacement windows.

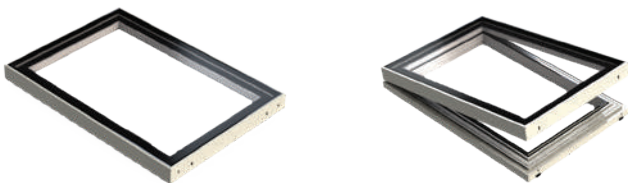




# Thermally Broken Roof Windows

OMEGA® Thermally Broken Roof Windows provide daylight and ventilation solutions for those parts of your home that don't have enough light.

There are both fixed and operable versions of our daylight solutions.



Our fixed roof window is thermally broken to greatly reduce the condensation that can occur on aluminium frames.

Operable roof lights have the option of having insect screens integrated into the opening. The operable roof windows can also have technology integrated to monitor wind speed, rain and daylight levels so that the motor knows when to open or close.

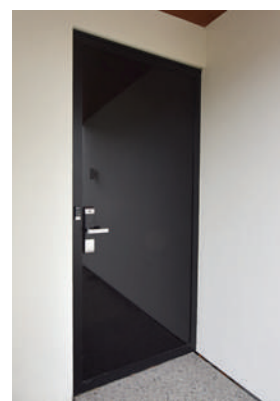
OMEGA® Thermally Broken Roof Windows are locally designed and manufactured to meet or exceed all the building code requirements for roof glazing - a truly exceptional product.

Our OMEGA® Roof Windows have also been appraised by Branz and have passed all of their rigorous testing and checks.



# Entrance Doors

OMEGA® are market leaders in the innovative design of entrance doors. We pride ourselves on leading the industry with cutting edge design in Entrance Doors and constantly adding to the range.



## Standard Residential

OMEGA® Entrance Doors offer both classic and contemporary approaches to your homes entry point. We have a full range of traditional tongue and groove doors that can be assembled at any width. These can be provided as a French Door arrangement or single panels. We pride ourselves on leading the industry with cutting edge design in Entrance Doors and constantly adding to the range.

### Features:

- › Vertical tongue and groove door panel assemblies with optional 'expressed' glazed inserts
- › Flush Glass Door – structurally glazed door. Door construction is concealed when the panel is closed in the frame. A variety of finishes and materials can be structurally glazed into the panel
- › The same door can be glazed with painted glass with baked on colour for a durable colour-fast appearance
- › Also available with interior 12V LED lighting, this can be used to great effect with or without an interior infill element.


## Pivot Doors

OMEGA® Architectural Pivot Door are unique in the New Zealand market. We've developed a highly capable and strong solution for large custom door work.

This panel can be supplied in either a Commercial 106mm frame or a Residential type frame for more typical installation details. The Architectural Pivot was designed with safety and simplicity of use in mind, we utilize industry leading hydraulic closer gear to control such a big door leaf. Truly an industry leading product.

- › Structurally glazed door panel with virtually invisible rails and hinge stile
- › 52mm panel conceals all the pivot hardware
- › Capable of pivoting door assemblies up to 200 kilos in weight
- › System allows the use of concealed overhead transom closers
- › Range of framing types to allow for a variety of installation types
- › Allows the use of dust sockets for discrete multipoint locking strikes
- › Designed to allow door assemblies up to 2.7 metres in height and 1.4 metres in width
- › Sill frame as low as 30mm in height is available.





OMEGA®'s Thermal suite is energy efficient and able to carry very thick glass at up to 2.8 metres high





# Surface Finishing & Colour Options

## Colour Selection

The colour of your windows and doors is very important. With OMEGA® Thermal products you have the option of dual colour window and door framing. What does this mean? You could have one colour on the outside of your house matching your exterior finish and another inside your house complementing your interior décor. Choose any dual colour combination from our wide range of colours or combine powder coating and anodising. Alternatively OMEGA® can offer alternative supplementary colours to meet your needs. Individualise your colour selection by choosing standard, non-standard or even wood grain powder coat finish.







## Powder Coating

The OMEGA® powder coating plant is a modern plant that utilises sophisticated automated controls and sensors to achieve the most efficient pre-treatment, powder application and baking conditions required to form a tough and durable finish.

The extrusions are constantly tested to the requirements of recognised powder coating standards; such as AS:3715 and Window & Glass Association specifications. In addition the OMEGA® powder coating plant is Endurocolour compliant; Endurocolour is the Powder Coating Quality Assurance Standard (PQAS) for New Zealand. It is an industry standard designed by Window & Glass Association specifically for NZ conditions. You can be reassured that powder coating applied by an Endurocolour registered applicator is a quality and lasting finish. For your added confidence our powder suppliers regularly audit our powder coating plant to ensure that we meet strict quality control guidelines.

Please note: Any advice, recommendation, information, assistance or service provided by Dulux Powder & Industrial Coatings in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux Powder & Industrial Coatings to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Dulux Powder & Industrial Coatings is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux Powder & Industrial Coatings by any condition or warranty implied by application legislation regulation or other Government ordinance voiding or prohibiting such exclusion, limitation or modification. ©2017

## Anodising

Anodising is an alternative to Powder Coating. It is a durable and hard wearing finish offering maximum protection in harsh environments. A range of colours and micron 12.5 - 25um) finishes are offered to ensure you achieve the desired look.

Our Niche anodised finishes uses a process of acid etching to give you a more uniform matt look to all visible aluminium surfaces.

### Niche anodising benefits

- › Provides a premium matt finish
- › Reduces die lines
- › Smooths surface defects
- › Environmentally friendlier than regular anodising process
- › Available in Natural, Bronze and Black finishes.

# Architects Technical Resources

Access to technical data and CAD drawing files are available from MasterSpec and to registered users (with a username and password), to download from our website: <http://www.omegawindows.co.nz>

**masterspec**

## Care & Maintenance

To ensure the protection of the powder coated surface, strong solvents including paint thinners and abrasive cleaners must not be used. If paint splashes, mastics, or sealants these must be removed, using only Methylated Spirit or Window & Glass Association recommended cleaners should be used and rinsed thoroughly post application.

As with all paint films, regular washing with a soft brush and mild detergent will ensure that substances such as airborne salts and pollutants that are detrimental to long term performance of your powder coated extrusions are expelled. Cleaning must take place at least every 6 months in external applications. In areas of high pollution such as geothermal, beachfront and industrial areas, the cleaning must take place at least every 3 months.

For more information visit  
[www.wganz.nz](http://www.wganz.nz)

## Warranty & Standards

### Standards

OMEGA® Windows and Doors is a division of McKechnie® Aluminium Solutions Ltd, one of New Zealand's oldest and largest aluminium extruders.

McKechnie warrants that the extrusions it supplies meets or exceeds the following standards:

- › NZS 4211:2008
- › All current WGANZ Standards
- › Endurocolour® Powdercoating Quality Assurance Standard.

### 5 Year Warranty

OMEGA® offers a 5 year warranty on its windows and doors.

OMEGA® will repair or replace any extrusion it has supplied where there is a material fault or defect in the extrusion such that it does not comply with the express warranties above.

The warranty will be for a period of 5 years from the date of delivery of the extrusions from OMEGA® and is subject to the terms and conditions listed in our downloadable Warranties sheet.

OMEGA®'s products comply with the 15 year durability requirements of the NZ Building Act 1991 B2.




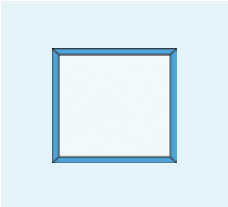
# Configurations

## Awning Windows

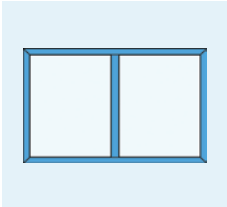
 Casement Windows (points to hinged side)

 Awning window (points to hinged side)

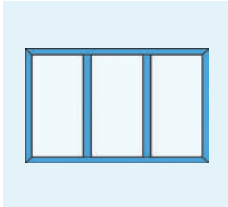
 Fixed pane of glass with aluminium frame



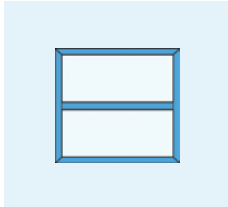
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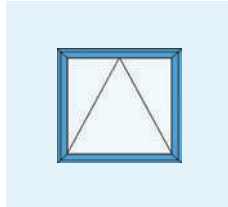
01-02



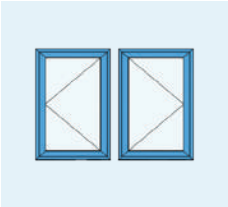
01-03



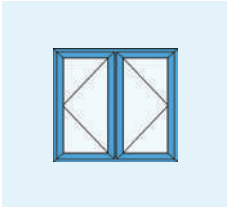
01-04



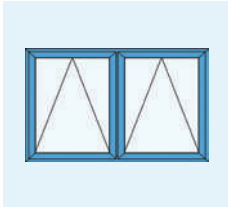
01-05



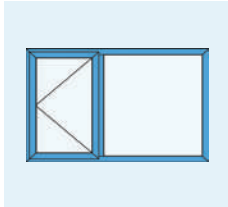
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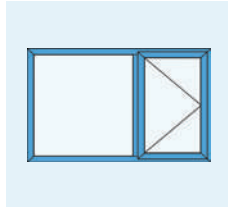
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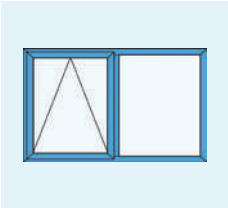
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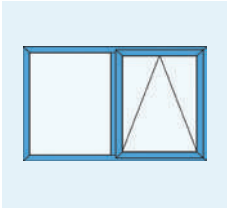
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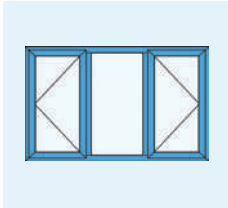
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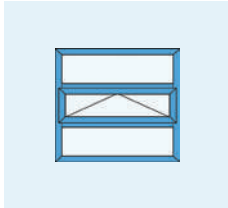
01-11



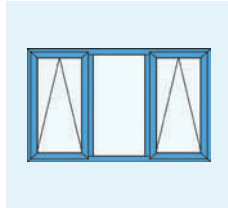
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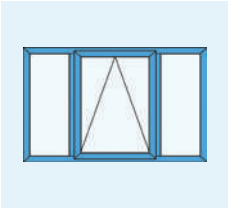
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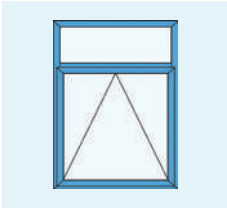
01-14



01-15



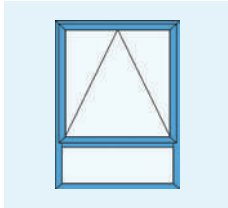
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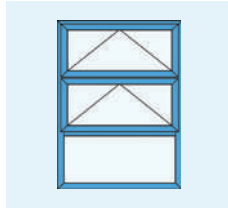
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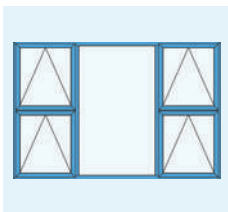
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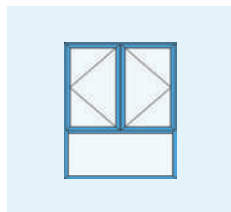
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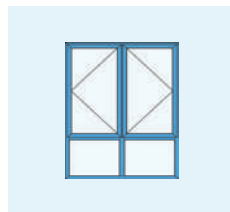
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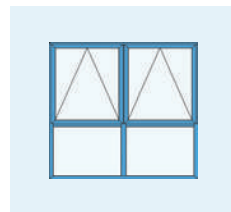
01-21



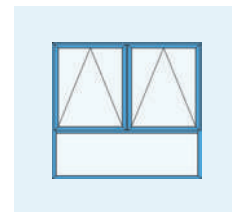
01-22



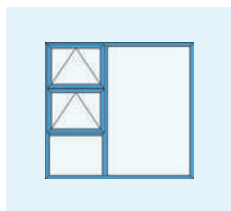
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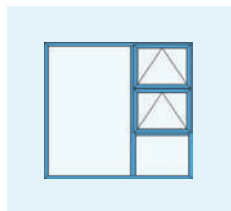
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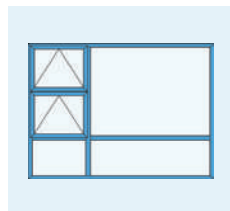
01-25



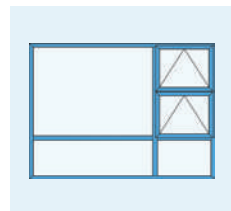
01-26



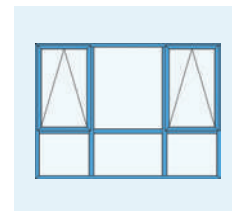
01-27



01-28




01-29



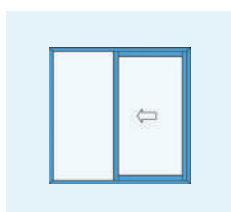
01-30

## Sliding Windows and Doors

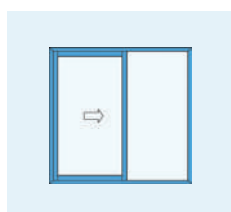
 Fixed pane of glass with aluminium frame



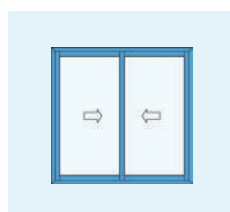
Arrow indicates opening direction



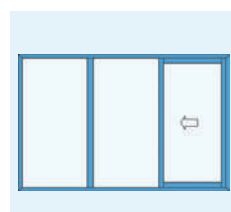
03-01



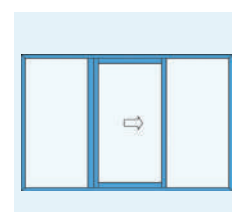
03-02



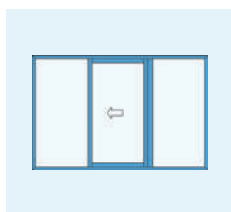
03-03



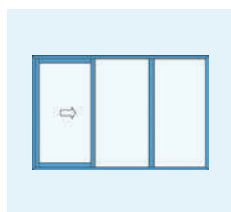
11-04



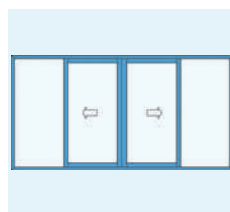
11-05



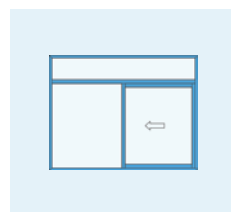
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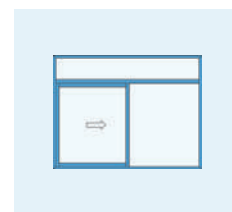
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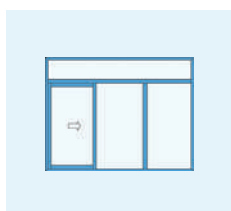
11-08



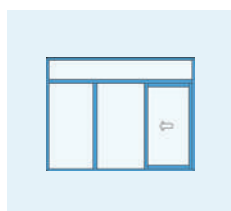
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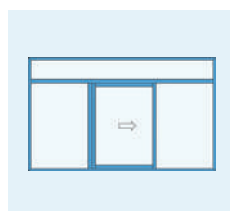
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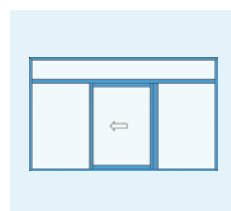
11-11



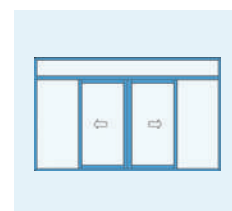
11-12



11-13




11-14



11-15



## Hinged Doors

 Fixed pane of glass with aluminium frame



Arrow indicates opening direction



09-01-L



09-01-R



09-02-L



09-02-R



09-03-L



09-03-R



09-04-L



09-04-R



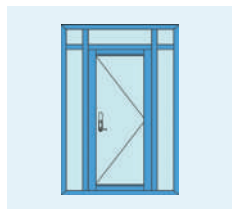
09-05-L



09-05-R



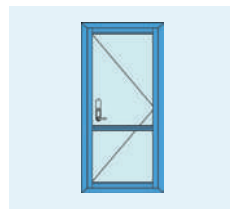
09-06-L



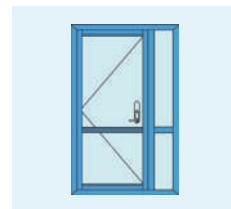
09-06-R



09-07-L



09-07-R



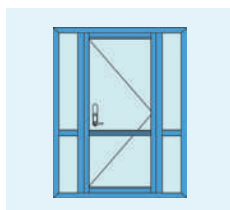
09-08-L



09-08-R



09-09-L



09-09-R



09-10-L



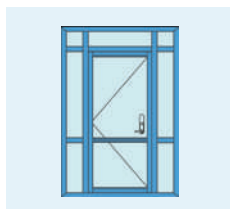
09-10-R



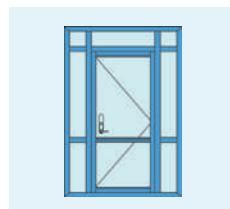
09-11-L



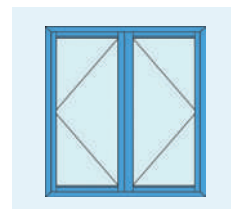
09-11-R



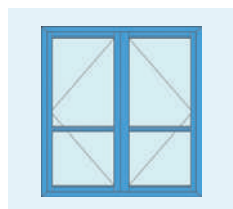
09-12-L



09-12-R





09-13-L

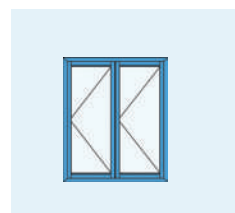


09-13-R

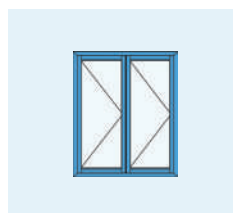
## Bi Fold Windows & Doors

 Fixed pane of glass with aluminium frame

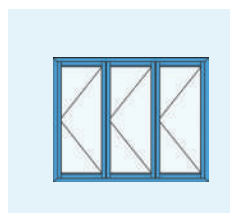
 Arrow indicates opening direction



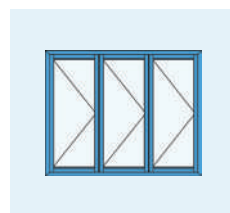
13-01



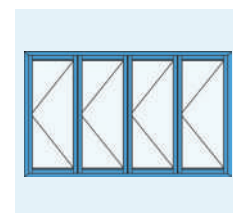
13-02



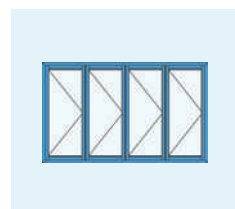
13-03



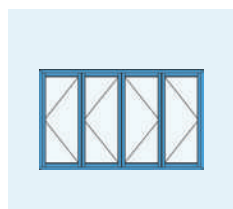
13-04



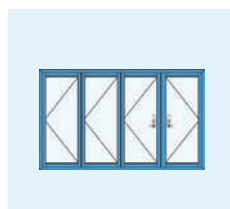
13-05



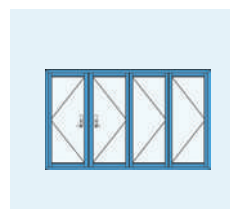
13-06



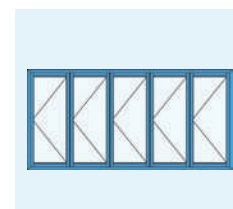
13-07



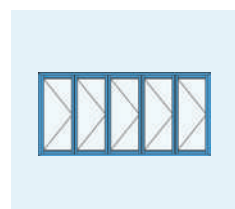
13-08



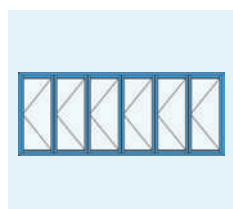
13-09



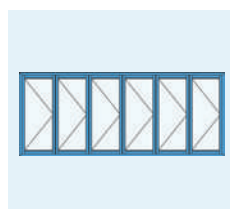
13-10



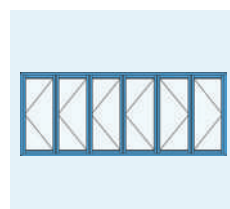
13-11



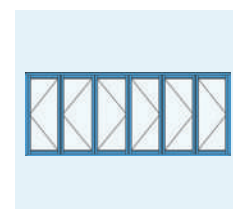
13-12



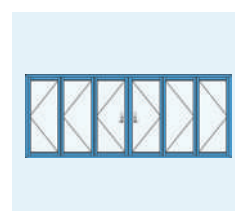
13-13



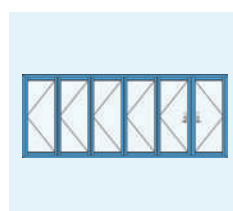
13-14



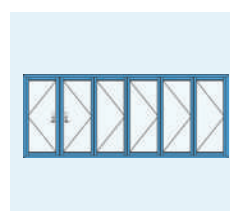
13-15



13-16



13-17




13-18

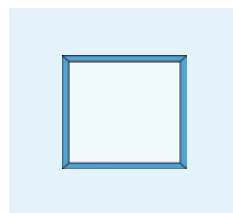


## Replacement Windows

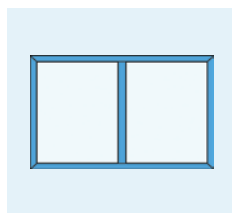
 Casement Windows (points to hinged side)

 Awning window (points to hinged side)

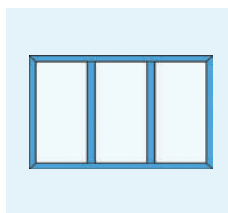
 Fixed pane of glass with aluminium frame



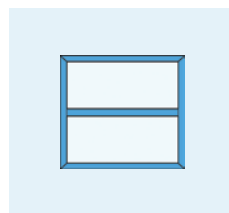
01-01



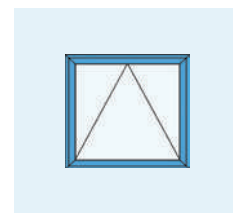
01-02



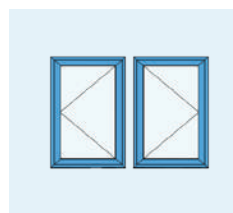
01-03



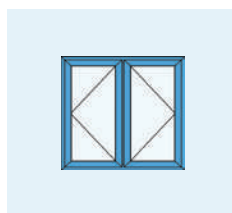
01-04



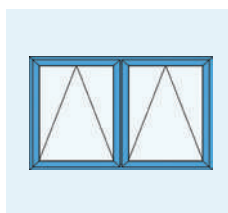
01-05



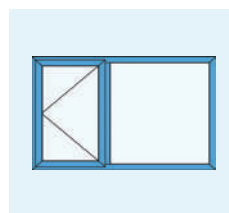
01-06



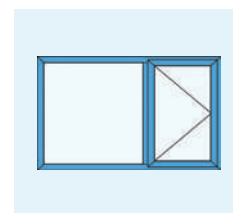
01-07



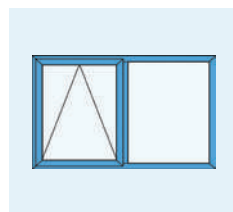
01-08



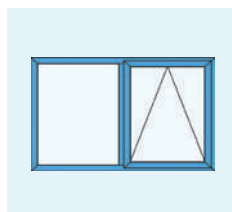
01-09



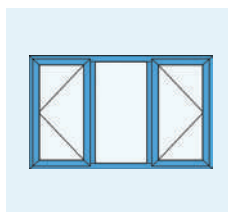
01-10



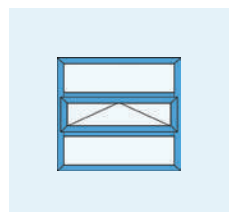
01-11



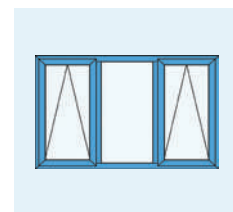
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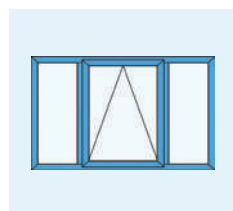
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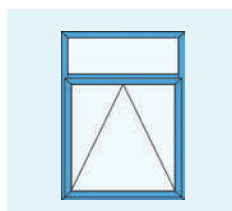
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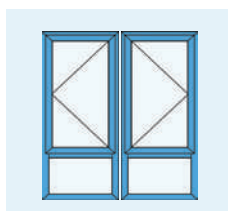
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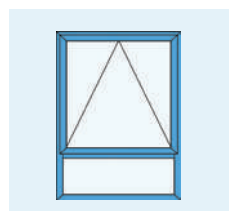
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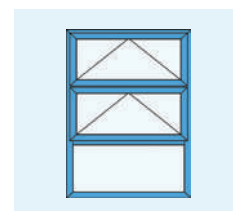
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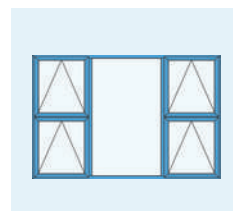
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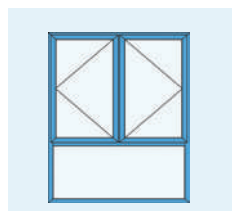
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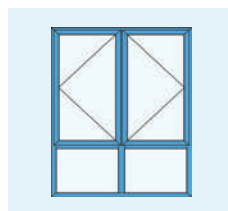
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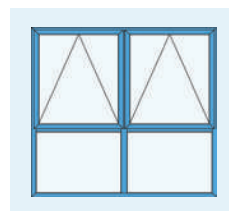
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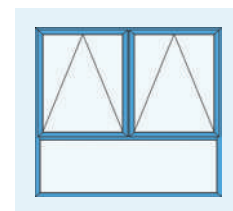
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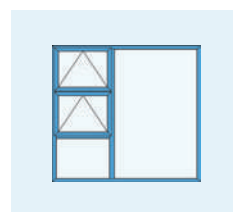
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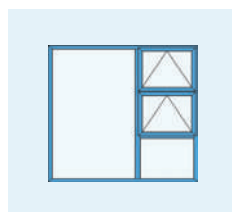
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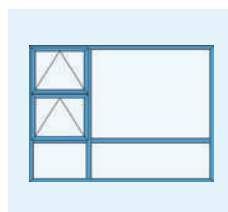
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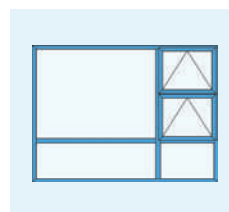
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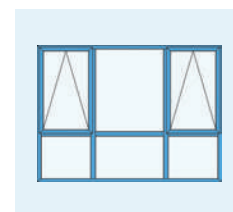
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01-28



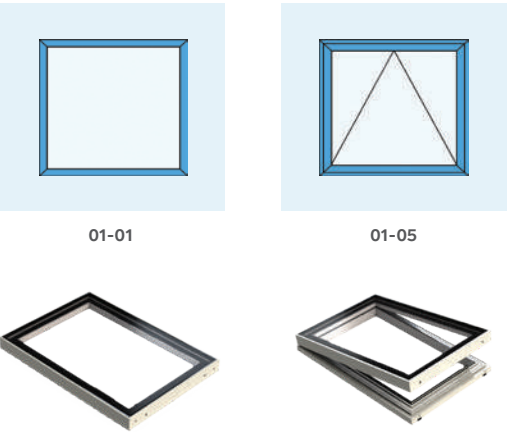
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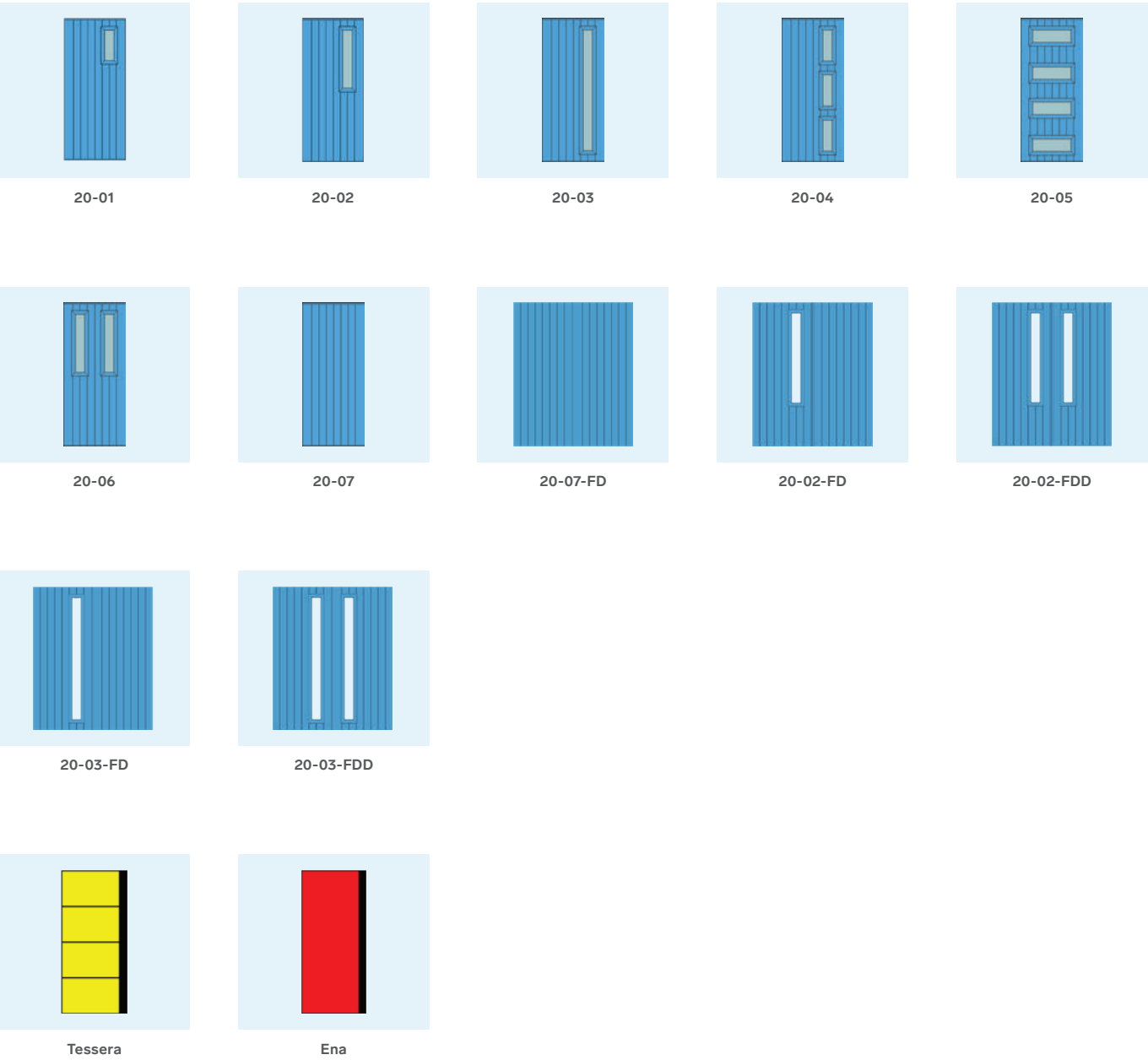
01-30

Roof Window

□ Fixed pane of glass with aluminium frame
 ◀ Opening window (points to hinged side)



Entrance Doors





## WGANZ, IANZ & ISO

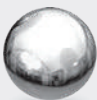
The prime objective of the Window & Glass Association of New Zealand is to establish and maintain the highest possible degree of industry-wide quality and performance. Windows and doors, including all their component parts, manufactured by members of the Association must comply with all the relevant mandatory standards. Major achievements of the Association have been the incremental development of a world-class industry, developing window performance specifications, adopting, promoting and contributing to appropriate international standards. OMEGA® is also produced to international quality measurement standard ISO 14001, and has Diamond certified status Enviro- Mark. OMEGA®'s products are tested to New Zealand Standards in their test booth which is independently accredited by IANZ.



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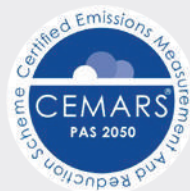
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\*Full Life Cycle is 5.62kg of CO<sub>2</sub>e per kg of Aluminium  
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