

OMEGA
WINDOWS + DOORS
BY MCKECHNIE®

MADE IN NEW ZEALAND

OMEGA®
Product Range

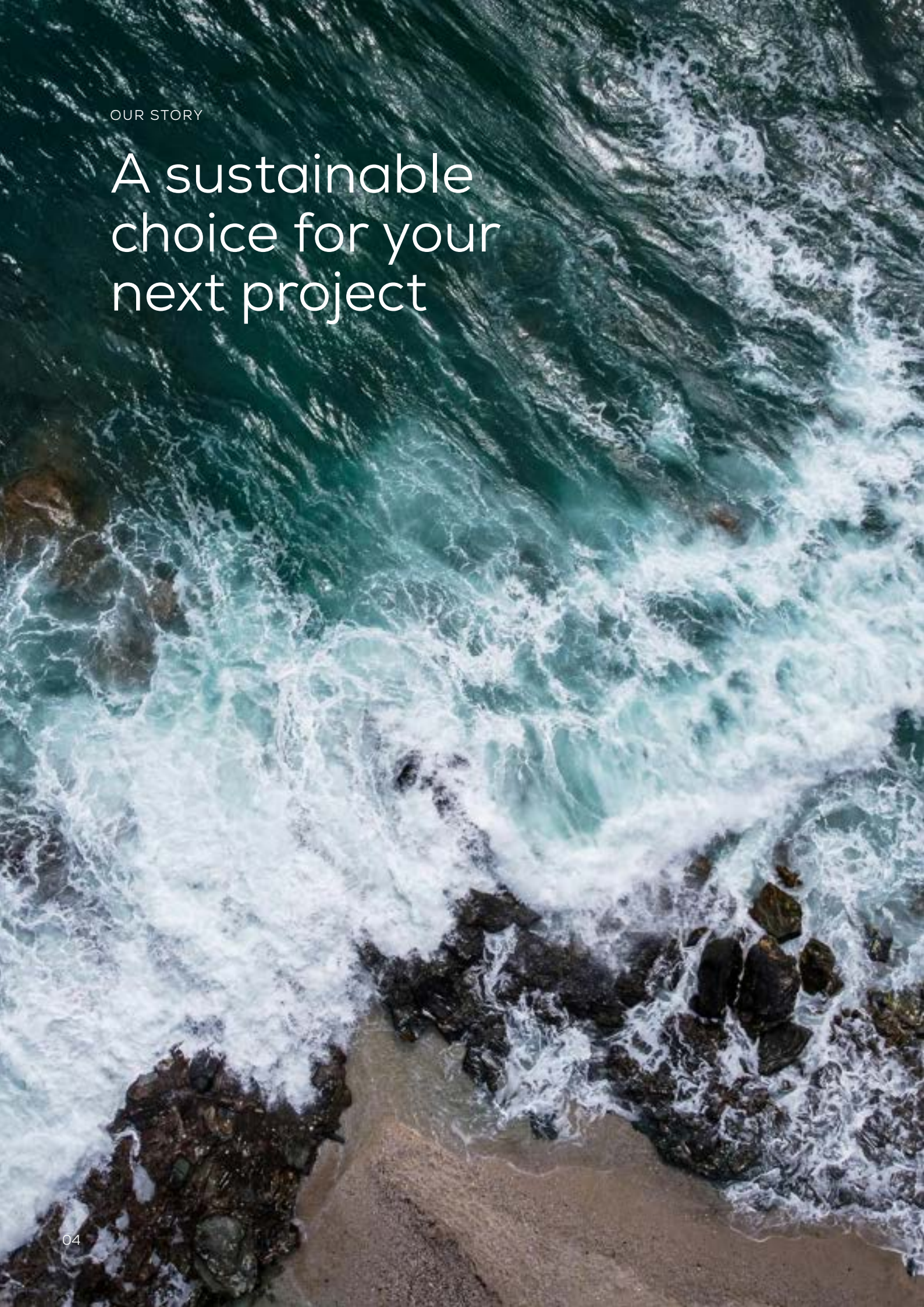
The sustainable choice for your next project





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An aerial photograph of a rugged coastline. Dark, jagged rocks protrude from the sea, with white, frothy waves crashing against them. The water transitions from a deep, dark teal in the upper left to a lighter, turquoise color as it approaches the shore. A small patch of sandy beach is visible at the bottom center, where the waves are washing onto the shore.

OUR STORY

A sustainable choice for your next project



OMEGA® is proudly owned by McKechnie Aluminium Solutions Limited, who have over 60 years experience in extruding aluminium.

Established in 1978, OMEGA rapidly gained a reputation for high-quality joinery in the industry.

Since acquiring OMEGA in 2012, McKechnie has invested in the people and products to make OMEGA suites the most innovative, modern and effective products, recognised across New Zealand and internationally.

What sets OMEGA apart are our thermally broken suites, a homegrown innovation engineered in New Zealand using state-of-the-art techniques. Similar to the insulation in our homes, our thermal break creates a barrier, preventing heat loss through windows and doors.

As part of the McKechnie Aluminium Solutions family, OMEGA prioritises excellence. Our products not only boast aesthetic appeal but are also engineered to endure New Zealand's challenging weather conditions.

We're the only aluminium extrusion business in New Zealand with a facility that recycles aluminium on-site, helping to protect the environment by reducing our carbon footprint. OMEGA is also the first New Zealand supplier of aluminium windows and doors to be certified by Toitū Envirocare for reducing carbon emissions.

Toitū carbonreduce certified product

What is the Toitū Certification?

Established in 2001 as a government-owned Crown Research Institute, Toitū provides independent advice to help businesses measure, manage and reduce their carbon footprint and operate more sustainably. With certifications grounded in science and aligned with international standards like ISO14067:2018, giving you the confidence that these certifications are recognised locally and in most international markets.

Toitū carbonreduce: Making a Difference?

Our journey towards sustainability started with measuring our emissions in 2016, followed by strategic planning for decarbonisation.

Our commitment to reducing our environmental impact is evident in our product footprint, third-party verified annually through Toitū's carbonreduce certification.

Continuous Improvement Through Certification

Toitū enviromark diamond certification demonstrates our self-sustaining environmental management system, ensuring ongoing compliance with environmental regulations and a commitment to reducing negative impacts on the environment.


With our Toitū certifications, OMEGA Windows and Doors ensures that our sustainability efforts are credible, consistent and compliant with international standards.

Disclaimer: All information in this brochure was accurate at the time of printing. Please refer to [omegawindows.co.nz](https://www.omegawindows.co.nz) for the most up to date information around our Toitū carbonreduce product certification.



We're committed to reducing our carbon emissions and environmental impact for a sustainable future, by actively working towards reducing our carbon footprint.





SYSTEMS & SERIES

Thermally Broken

Advanced Thermal Product Performance

Windows and doors play a crucial role in the heat transfer of insulated buildings, often accounting for the most significant loss or gain of heat than any other component.

With our thermal break, we significantly reduce heat transfer from the interior to the exterior of the building. This means homes with OMEGA® thermally broken joinery are more energy-efficient compared to those fitted with standard aluminium joinery.



The Suspended Glasshouse - Fabricator: CHP (Custom Home Projects)

Our thermally broken joinery technology functions by interrupting heat flow through the strategic use of a specialised material known as polyamide, which effectively disrupts the internal structure of the window frame.

Polyamide performs significantly better in resisting heat transfer when compared to aluminium, serving as a barrier between indoor comfort and outdoor temperatures.

SYSTEMS & SERIES / THERMALLY BROKEN

800 Series Residential Thermal Suite

Enhance your home's comfort and efficiency with the OMEGA® 800 Series Residential Thermal Suite.

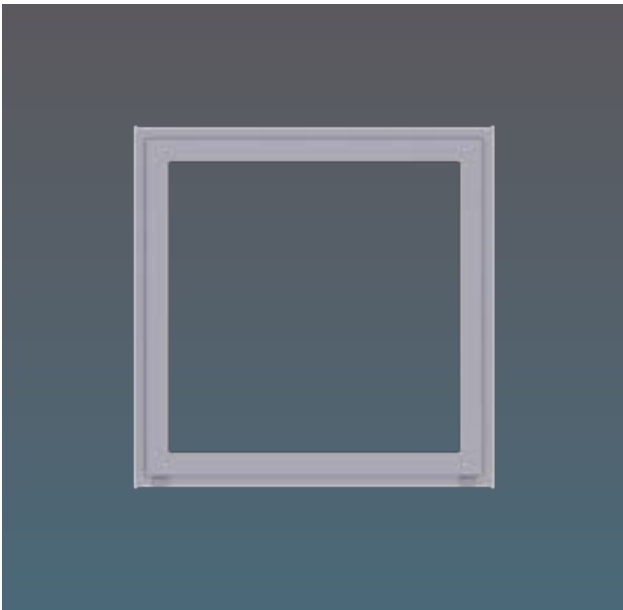
The OMEGA Residential 800 Series Residential Thermal Suite offers high quality, style, affordability, and unique Thermal Breaking technology.

The OMEGA 800 Series features our unique Thermal Break technology which reduces heat transfer from the interior to the exterior of your home. This means homes equipped with OMEGA thermally broken joinery are more energy-efficient compared to those fitted with standard aluminium joinery. Crafted with recycled aluminium and advanced design, it offers comfort, style and sustainability for generations to come.

Choose the OMEGA 800 Series to elevate both the functionality and aesthetic of your next project.

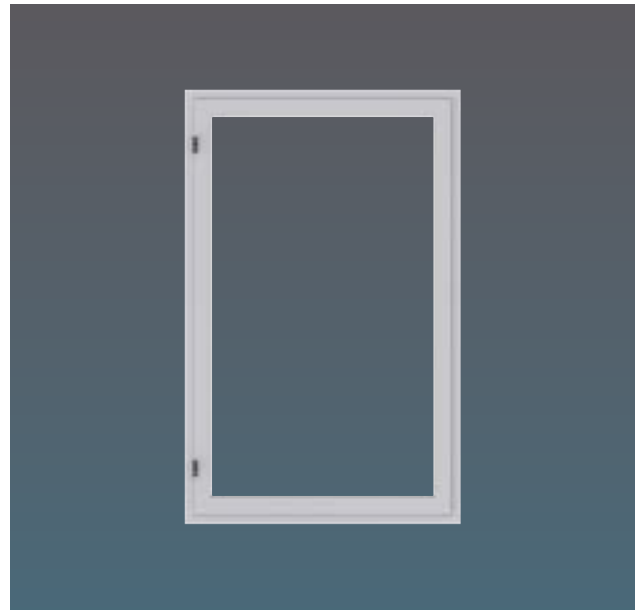






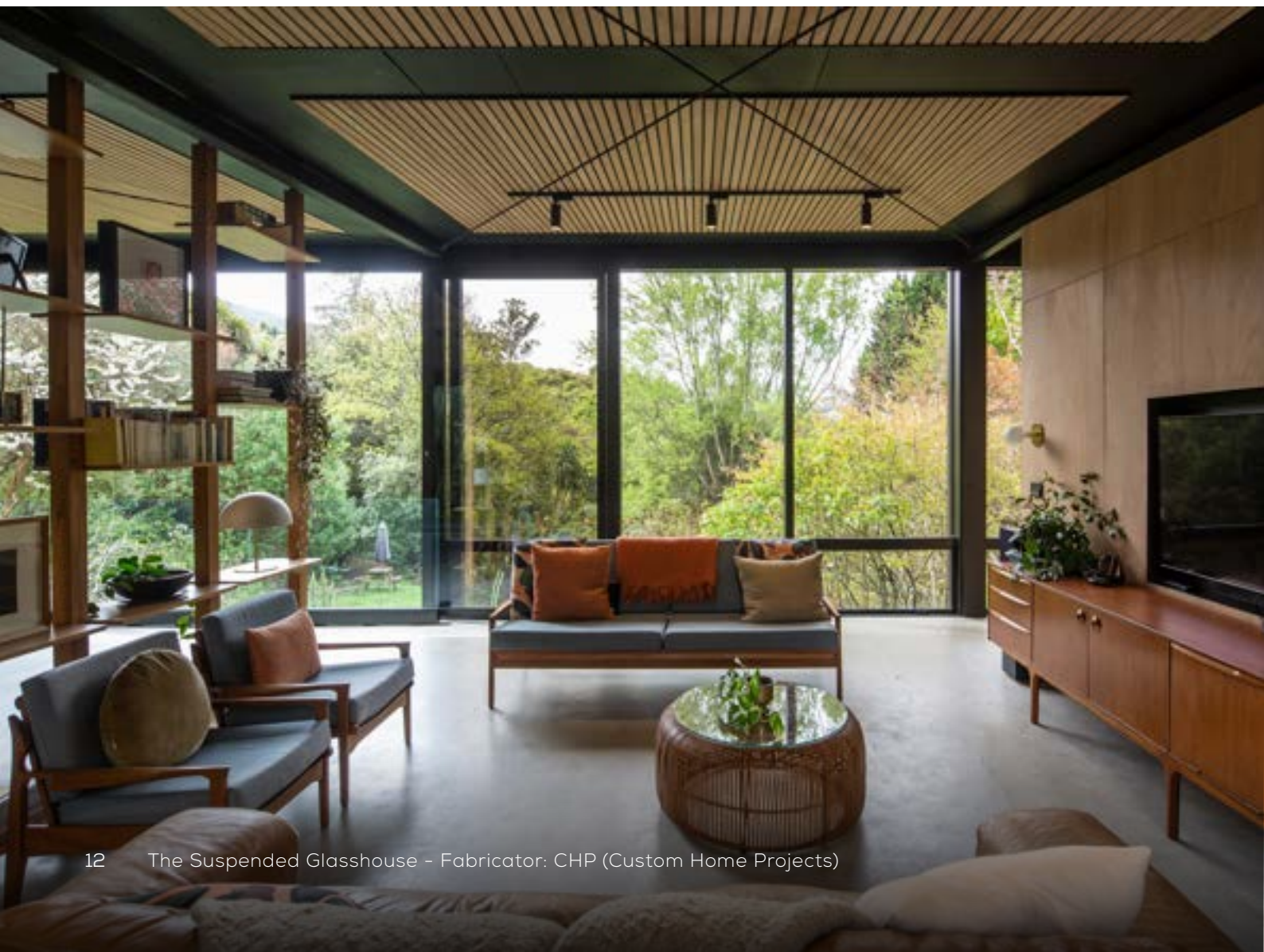
800 SERIES RESIDENTIAL WINDOWS

Awning Window



800 SERIES RESIDENTIAL WINDOWS

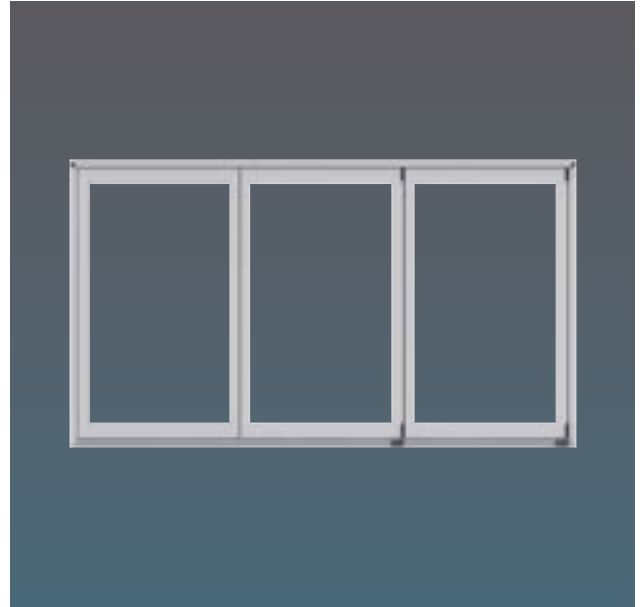
Casement Window





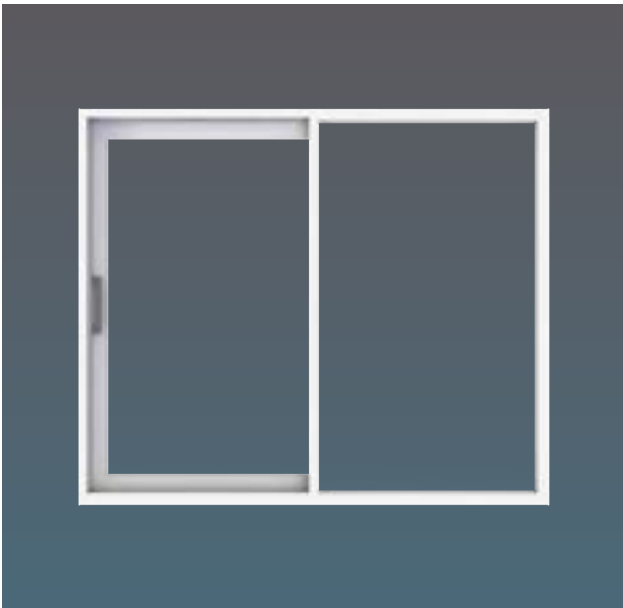
800 SERIES RESIDENTIAL DOORS

Hinged Door



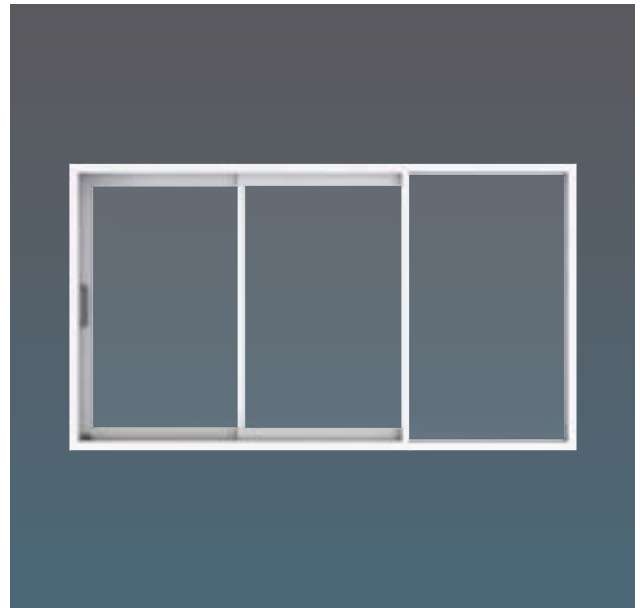
800 SERIES RESIDENTIAL DOORS

Bifold Door



800 SERIES RESIDENTIAL DOORS

Sliding Door



800 SERIES RESIDENTIAL DOORS

Stacker Door

SYSTEMS & SERIES / THERMALLY BROKEN

400 Series Architectural Suite

Getting the level of comfort and a healthy environment that suits your lifestyle is what really matters. OMEGA® 400 Series Architectural Thermal Suite combines the importance of environmental sustainability with improved thermal performance.

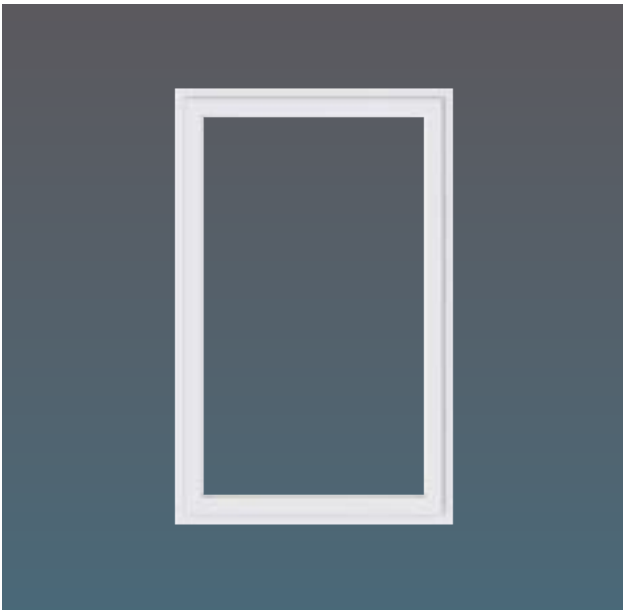
Add the finishing touches to your home with the OMEGA 400 Series Architectural Thermal Suite.

The OMEGA 400 Series Architectural Thermal Suite delivers great performance day after day. With the thermal break being on the outside causing an obstruction to the heat or cold escaping or entering your home, meaning higher thermal performance and reducing the cost of heating and cooling.

The OMEGA 400 Series Architectural Thermal Suite means you can look after your family today and generations to come. It really is that simple. Combining advanced design with New Zealand's most environmentally friendly aluminium, OMEGA aluminium joinery lets you get the stylish home you want which is not only environmentally sustainable but also healthy for your family.

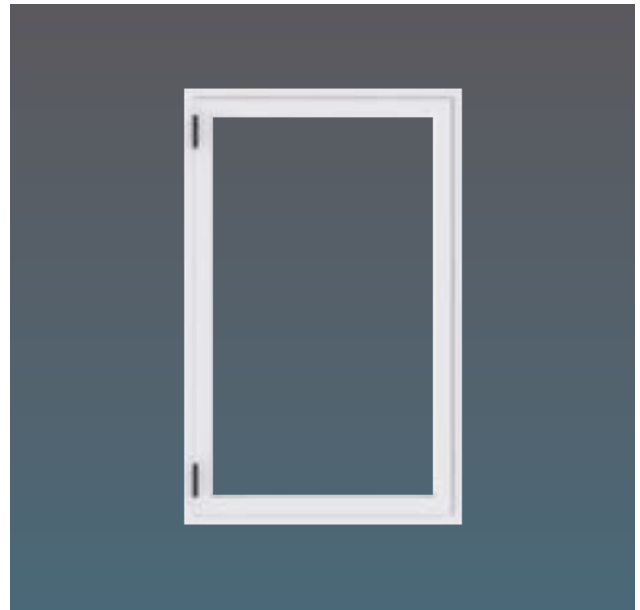






400 SERIES ARCHITECTURAL WINDOWS

Awning Window



400 SERIES ARCHITECTURAL WINDOWS

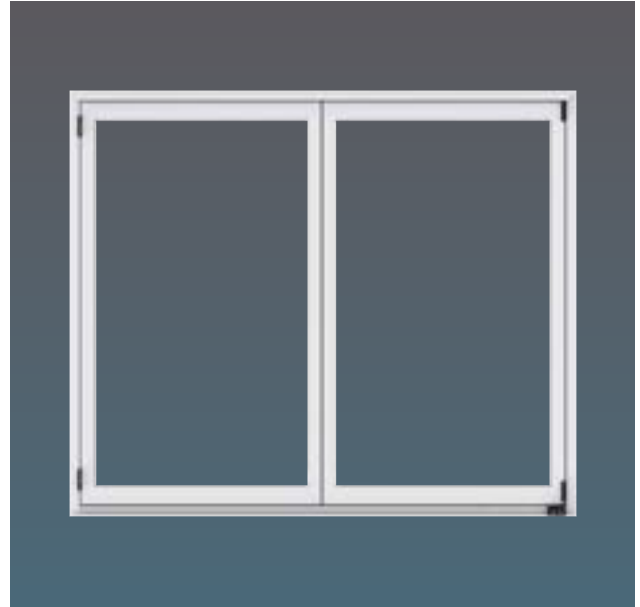
Casement Window





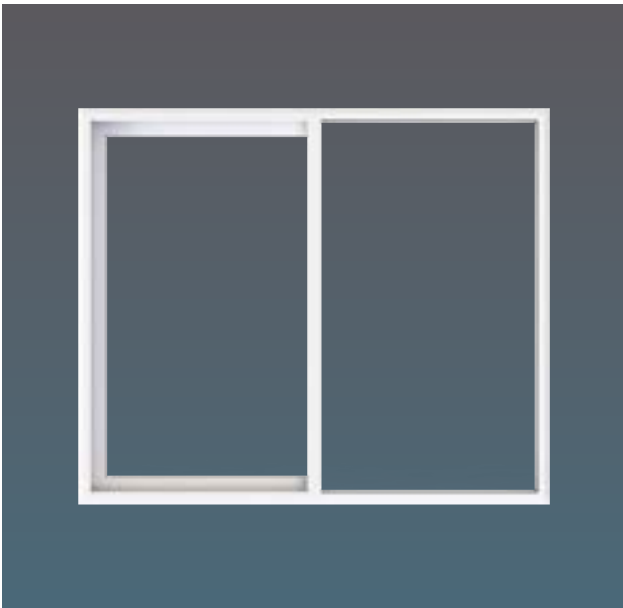
400 SERIES ARCHITECTURAL DOORS

Hinged Door



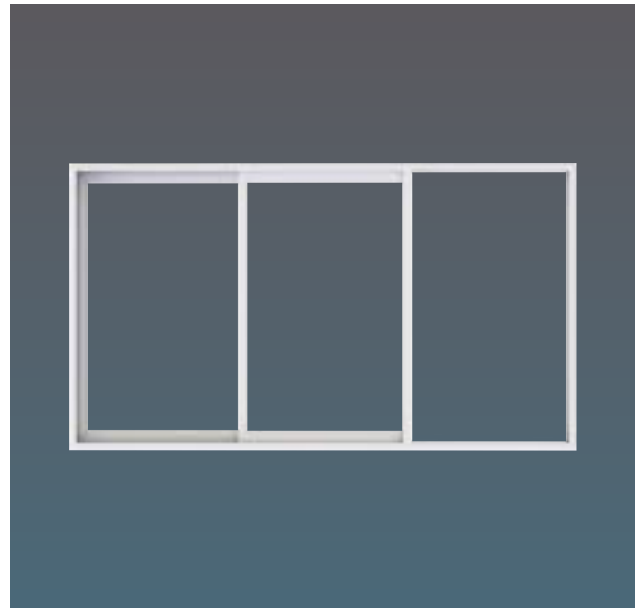
400 SERIES ARCHITECTURAL DOORS

Bifold Door



400 SERIES ARCHITECTURAL DOORS

Sliding Door



400 SERIES ARCHITECTURAL DOORS

Stacker Door



SYSTEMS & SERIES

Non-Thermally Broken

Discover the Practical
Efficiency of Our Non-
Thermally Broken Range

At OMEGA®, we understand that every building project has unique requirements and budgets. That's why our Non-Thermally Broken range is crafted to cater to a variety of needs, offering practical solutions without compromising quality.



Te Ara O Ngakeiha House - Fabricator: CE Aluminium

Our Non-Thermally Broken range is an excellent choice for projects where budget considerations are paramount. These products balance between performance and affordability.

Crafted from high-quality materials, our windows and doors are built to last. They are particularly suited for environments where temperature insulation is less of a concern but durability and maintenance are key.

Designed with simplicity in mind, our products ensure a smooth and efficient installation process, reducing labour time and costs.

SYSTEMS & SERIES / NON-THERMALLY BROKEN

300 Series Residential Suite

Experience affordability without compromising on style and performance with the OMEGA® 300 Series Residential Suite.

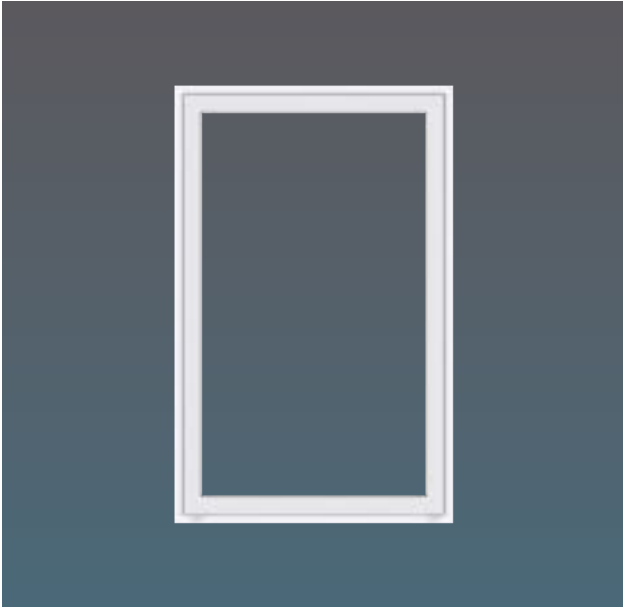
The OMEGA 300 Series Residential Suite, with standard configuration, provides exceptional quality, style and, affordability for your home.

Tested to meet the rigorous performance standards of NZS4211, the OMEGA Residential 300 Series ensures reliability and durability, meeting or exceeding the Very High wind zone rating.

With a comprehensive selection of aluminium windows and doors, including awning and casement windows, as well as bi-fold, hinged, French, sliding, and stacking doors, the 300 Series offers versatility for your space.







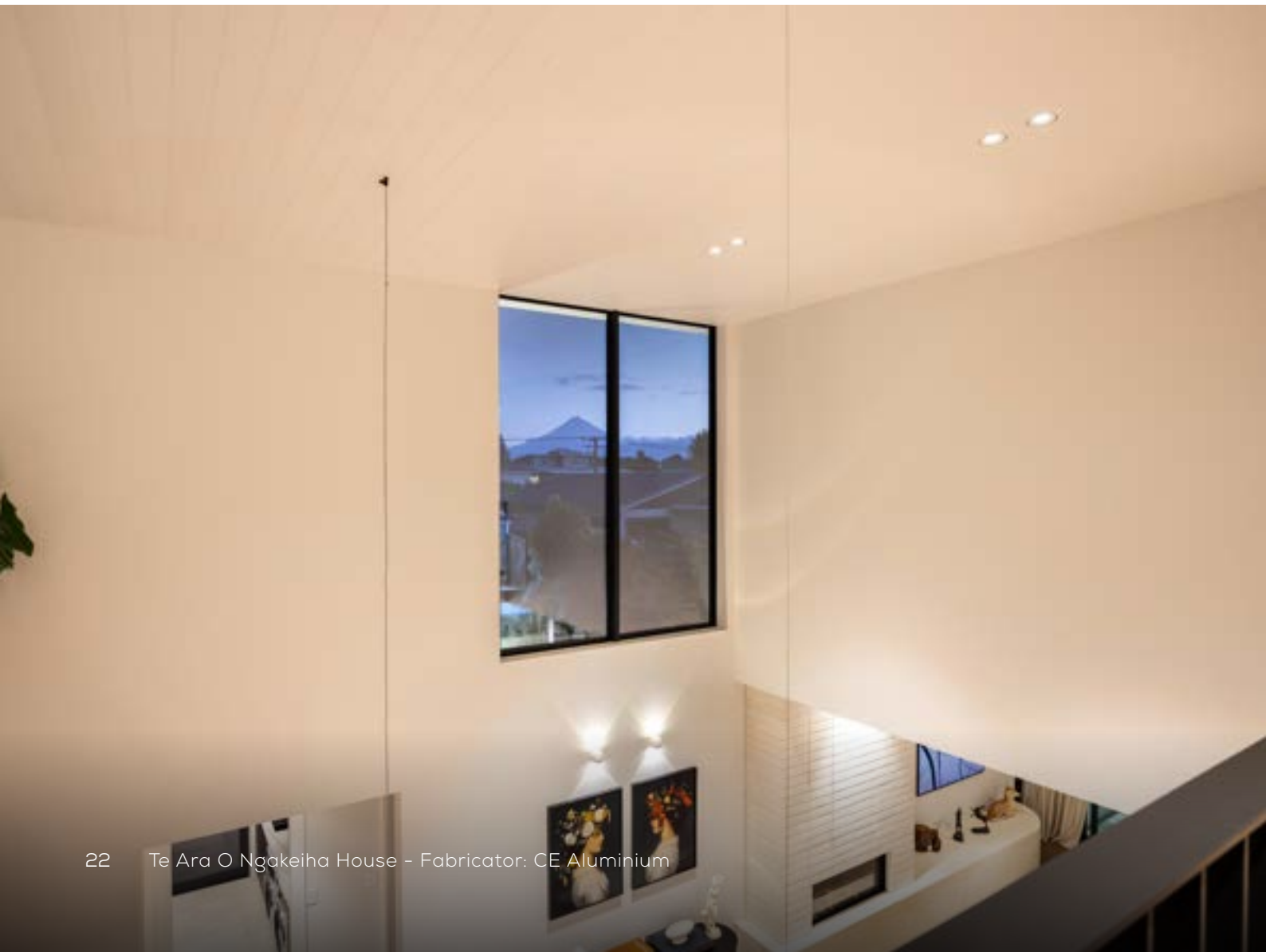
300 SERIES RESIDENTIAL WINDOWS

Awning Window



300 SERIES RESIDENTIAL WINDOWS

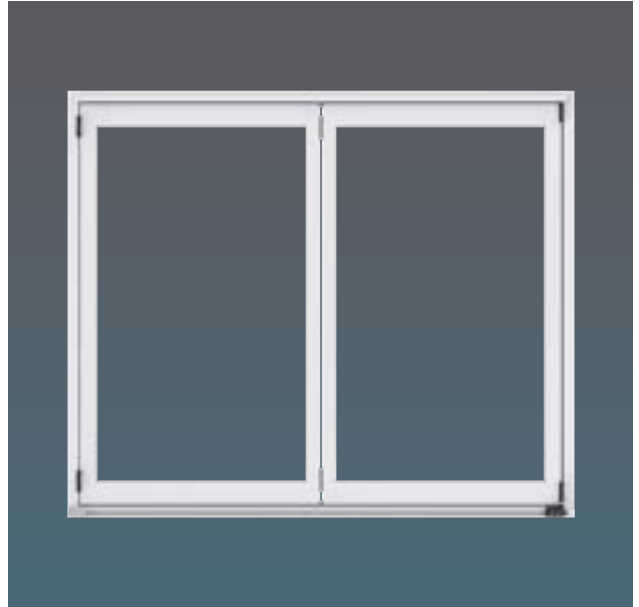
Casement Window





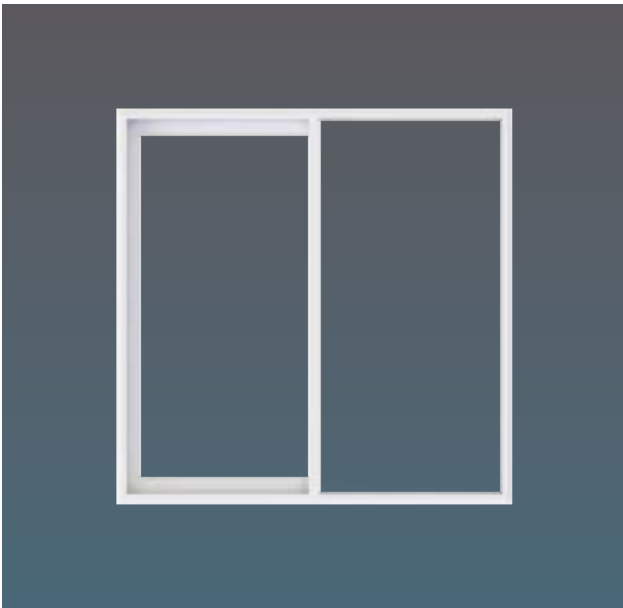
300 SERIES RESIDENTIAL DOORS

Hinged Door



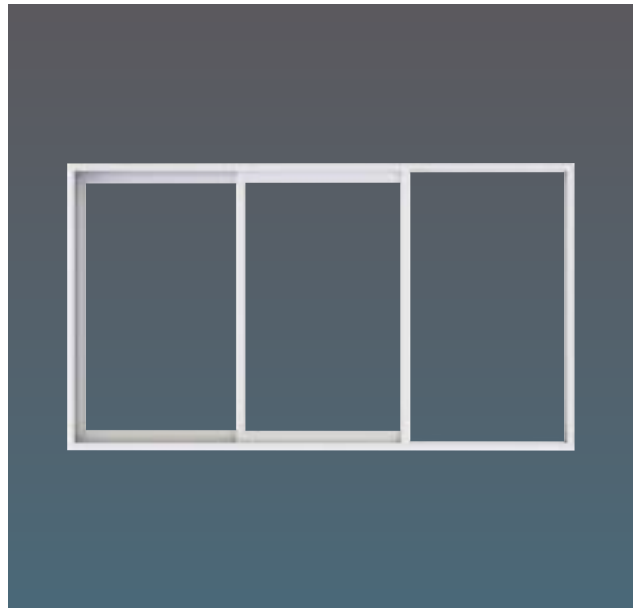
300 SERIES RESIDENTIAL DOORS

Bifold Door



300 SERIES RESIDENTIAL DOORS

Sliding Door



300 SERIES RESIDENTIAL DOORS

Stacker Door

SYSTEMS & SERIES / NON-THERMALLY BROKEN

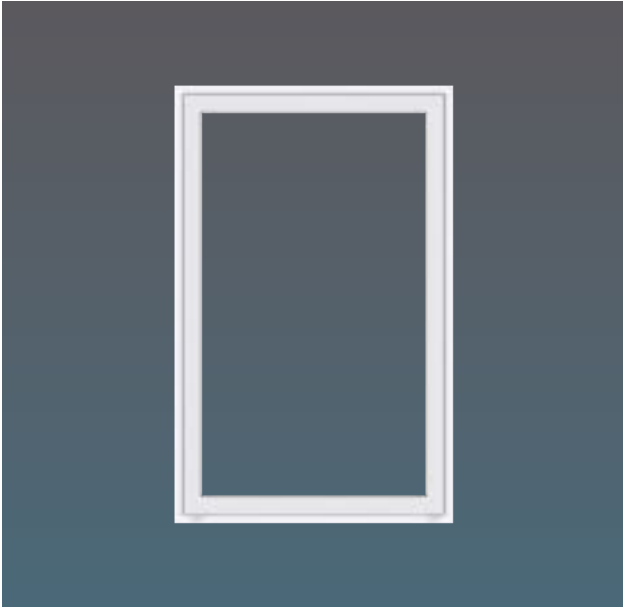
500 Series Architectural Suite

OMEGA®'s 500 Series Architectural Suite is where innovative design meets functionality for your architectural needs.

Crafted with precision, these aluminium windows and doors are the epitome of style and performance.







500 SERIES ARCHITECTURAL WINDOWS

Awning Window



500 SERIES ARCHITECTURAL WINDOWS

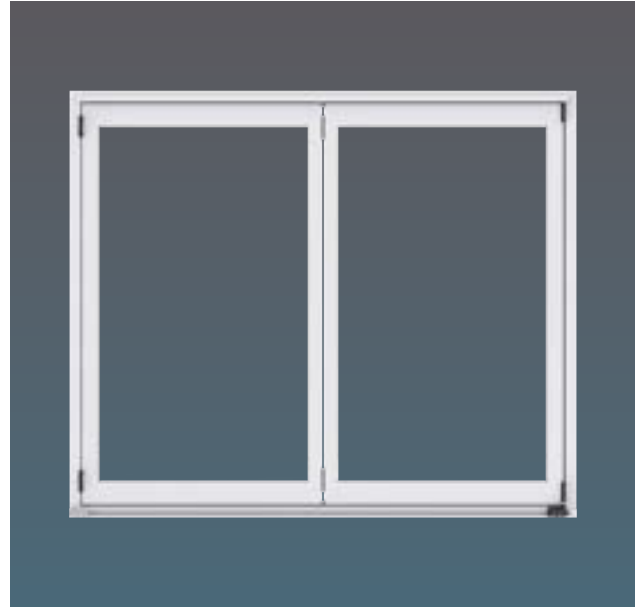
Casement Window





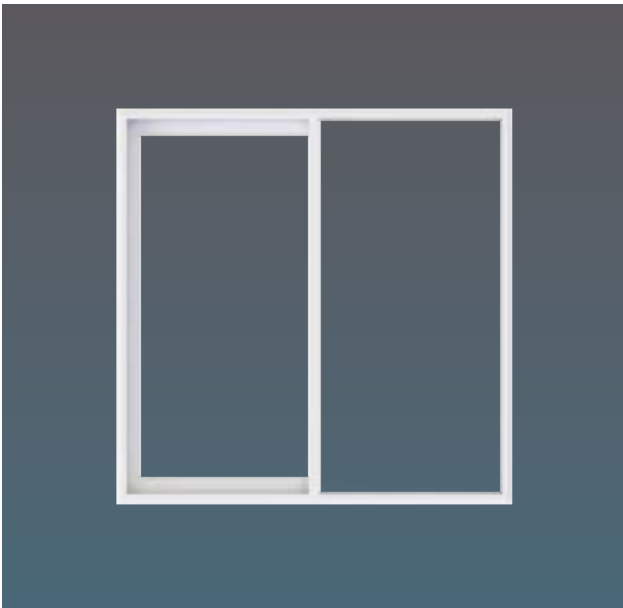
500 SERIES ARCHITECTURAL DOORS

Hinged Door



500 SERIES ARCHITECTURAL DOORS

Bifold Door



500 SERIES ARCHITECTURAL DOORS

Sliding Door



500 SERIES ARCHITECTURAL DOORS

Stacker Door

SYSTEMS & SERIES

Commercial Windows & Doors

OMEGA®'s 600 Series is perfect for many commercial applications; from shopfront, to apartments and curtainwall systems.

OMEGA Windows & Doors offers a comprehensive range of commercial aluminium joinery tailored to meet the needs of a wide range of commercial projects.

Our commitment to excellence and innovation ensures that our products deliver both functionality and aesthetic appeal. Drawing from our experience on commercial projects in New Zealand, across the Pacific and in Australia, you can trust OMEGA to deliver exceptional results.

We have a team of designers and technical experts available to work with you to help meet your specific needs, whether it's for a large commercial project or something smaller scale.









SHOPFRONT

600 Series Commercial Shopfront Suite

The OMEGA® 600 Series Commercial Shopfront Suite is commonly used for light commercial and retail type applications. It can also be used as an internal partitioning system.

We provide comprehensive support materials, including weather testing data, to assist with a seamless application. The Shopfront suite offers design flexibility for building professionals. Choose from 75mm or 100mm profiles, both suitable for central glazing with up to 10mm single pane glass. Additionally, OMEGA® offers a high-performance double-glazed option accommodating up to 29mm glazing units, compliant with New Zealand Standard glazing systems.

Features:

- + Double glazed suite designed for up to 29mm glass.
- + Window and door sash adaptors available.



Napier Office Fit-out - Venta Limited

600 Series Commercial Shopfront Hinged Doors & Bi-Fold.

OMEGA® 600 Series Commercial Bi-fold & Hinged Doors, offer a smooth running top hung system, capable of supporting up to 70kgs per panel. The versatile design allows for inward or outward opening configurations, providing convenient access options. Designed for hassle-free operation, ensuring smooth functionality without issues. Additionally, the system utilises drive bar technology for superior multi-point locking.

Features:

- + Polyamide tracks for top-hung smooth running.
- + Ideal for flexibility and maximising of an opening, open part or open the whole assembly.
- + Multiple configurations available to suit your needs.
- + Range of panel types available to suit a wide variety of glazing configurations.
- + Multiple threshold options, including step-free level access.



600 Series Commercial Suite Shopfront Sliding & Stacker Doors.

The OMEGA® 600 Series Shopfront Suite offers sliding and stacking door options in a robust profile with clean lines. This combination prioritises aesthetics and functionality, catering to diverse commercial settings.

Features:

- + 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.

FLUSH GLAZED

600 Series Commercial Flush Glazed

OMEGA® 600 Series Flush Glazed Commercial Suite provides the ultimate in flexibility, strength and design.


The OMEGA® 106mm and 159mm Flush Glazed Commercial suite provides the ultimate in flexibility, strength and design. The 106mm suite has been designed to provide an approach to 3 metre high glazing where it's easy to integrate all opening sash types.

Features:

- + The OMEGA® 106mm and 159mm Commercial Suite can accept 29mm glazing units 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 106mm and 159mm Commercial Suite is performance driven design that can cope with the most demanding of environments.
- + Sliding Doors can be coupled to Hinged Doors, 106mm and 159mm Windows, Bi-folds and large pivot door assemblies.







SYSTEMS & SERIES

Stealth Rooflights

Stealth Rooflights offer cutting-edge technology and superior performance in thermal efficiency and sustainability.

These roof windows are designed to provide the highest level of thermal insulation, ensuring that your living space remains warm and cosy even during the harshest weather conditions in New Zealand.



stealth

ELITE ROOF WINDOW RANGE
BY STEELFORMERS



BRANZ Appraised
Appraisal No.987 [2018]

The key feature that sets Stealth Rooflights apart is their “thermally broken” technology. This means that the frame of the roof light is designed with a barrier that prevents thermal energy from transferring between the interior and exterior of your home.

Stealth Rooflights effectively prevent heat loss during colder seasons and minimise heat gain during hot summers. By reducing the need for excessive heating or cooling, Stealth Rooflights can help you save on energy bills and contribute to a more sustainable environment.

SYSTEMS & SERIES / STEALTH ROOFLIGHTS

OMEGA[®], Metro Performance Glass and Taranaki Steelformers Partnership for Innovation & Excellence

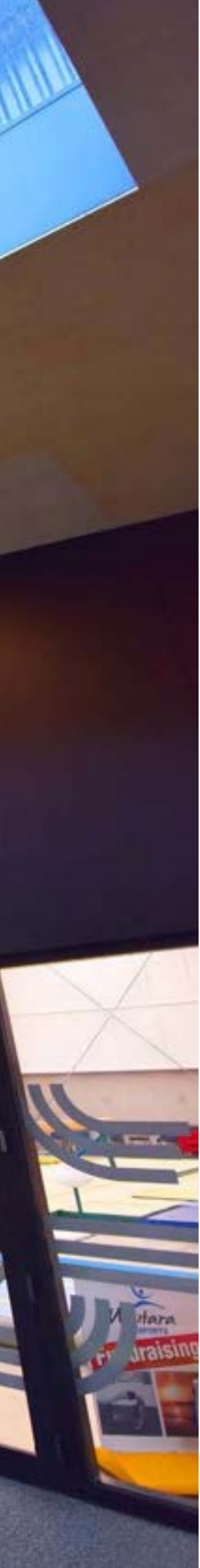
The partnership with OMEGA[®] further adds to the quality and reliability of Stealth Rooflights.

At OMEGA[®] we pride ourselves on producing products with a high recycled content, which significantly reduces their carbon footprint. By choosing Stealth Rooflights, you not only invest in a top-performing and energy-efficient solution but also contribute to a greener and more eco-friendly New Zealand.

Stealth Rooflights also excel in environmental sustainability, reflecting OMEGA[®]'s dedication to producing products with a high recycled content, significantly reducing their carbon footprint. By choosing Stealth Rooflights, you not only invest in top-performing, energy-efficient solutions but also contribute to a greener New Zealand.







SYSTEMS & SERIES / STEALTH ROOFLIGHTS

Thermally Broken Technology

Stealth Rooflights system was designed to be the highest performing thermally broken roof framing available in New Zealand. With 12% more insulation than other roof windows, we can guarantee substantial energy savings.

Available as fixed glass or opening roof lights, they feature thermally broken aluminium frames and sashes with various exterior finishes. Compatible with profiled metal, metal tile, and low slope membrane roofing, our roof lights are custom made, perfect for precise skylight replacements.


Operable roof lights can include advanced weather-based automation.


Features:


- + Complete flexibility in size (within BRANZ appraisal guidelines)
- + Quality Italian remote controlled mechanisms on opening sashes
- + Dulux powder coat with a minimum 15 year warranty
- + Highest recycled content of any aluminium produced in New Zealand
- + WEERS (Window Energy Efficiency Rating System) rating provided by Metro Performance Glass indicates 5.0 stars for our highest performing glass specification

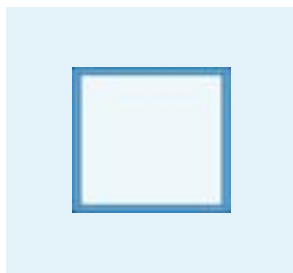
Configuration

Awning Windows

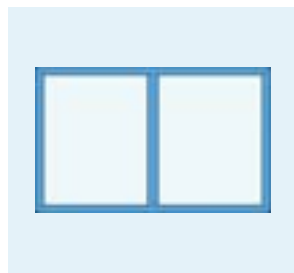
 Casement Windows
(points to hinged side)

 Awning window
(points to hinged side)

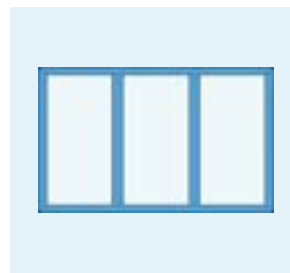
 Fixed pane of glass
with aluminium frame



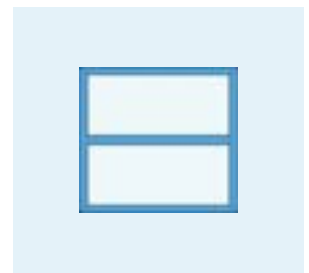
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01-02



01-03



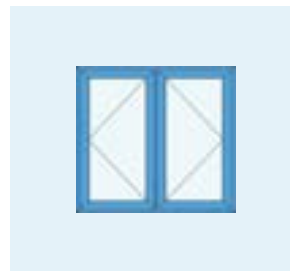
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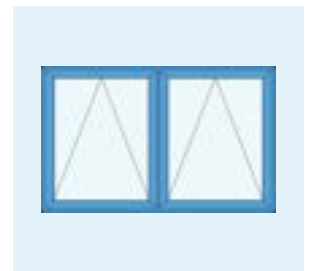
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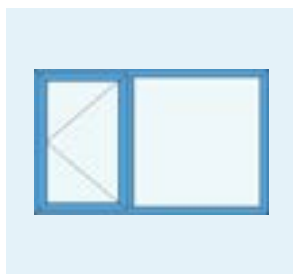
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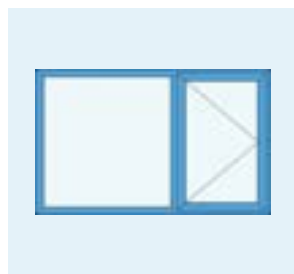
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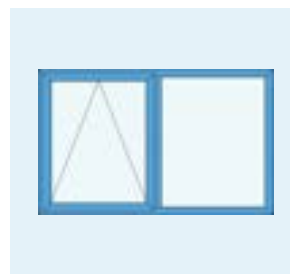
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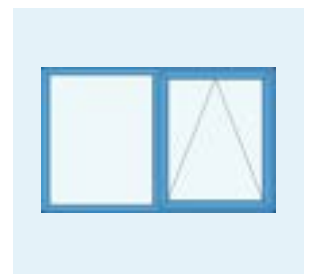
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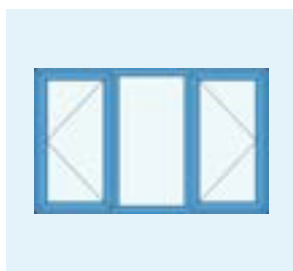
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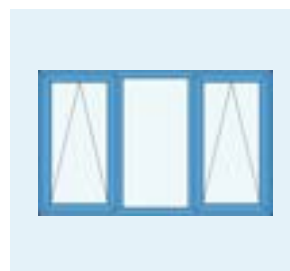
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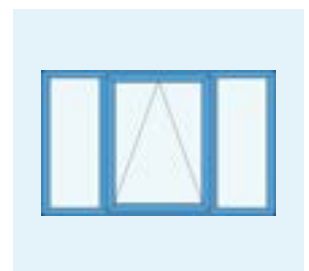
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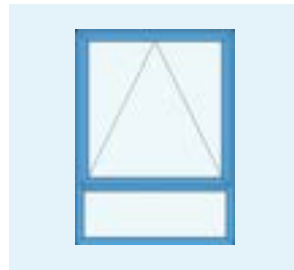
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01-17



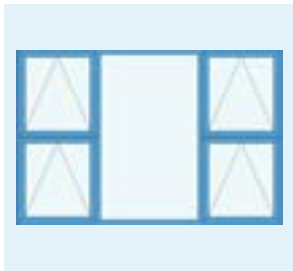
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01-19



01-20



01-21



01-22



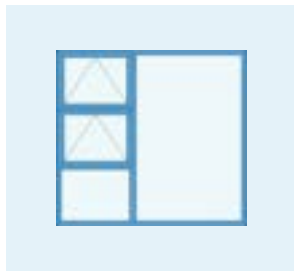
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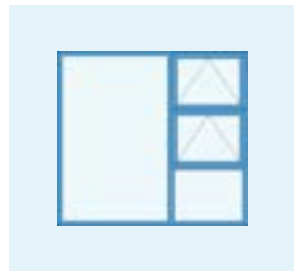
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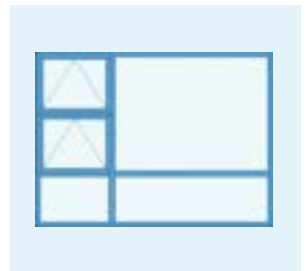
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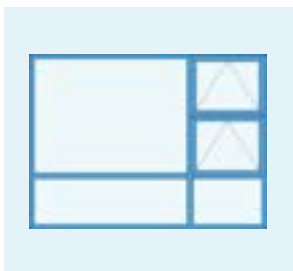
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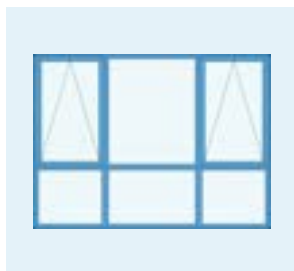
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01-28



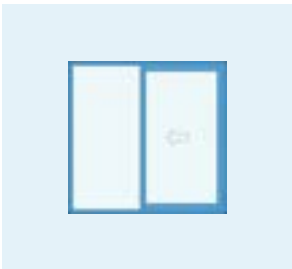
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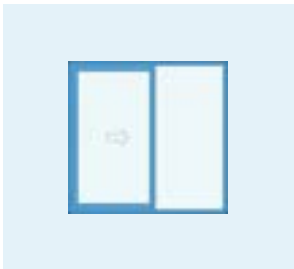
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Sliding Doors

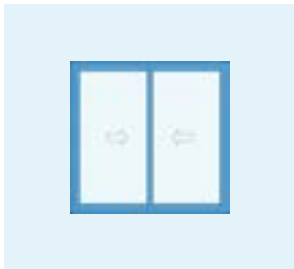
-  Fixed pane of glass with aluminium frame
-  Arrow indicates opening direction



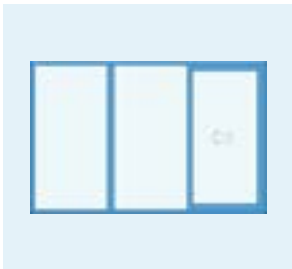
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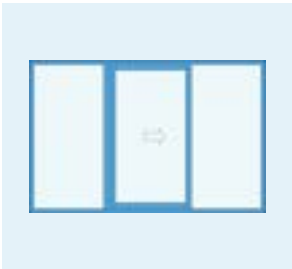
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03-03



11-04



11-05



11-06



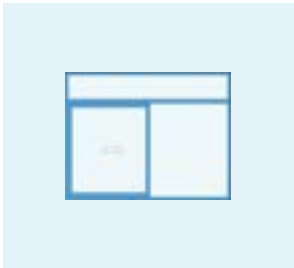
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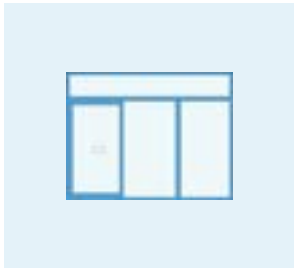
11-08



11-09



11-10



11-11



11-12



11-13




11-14



11-15

Hinged Doors

 Fixed pane of glass with aluminium frame



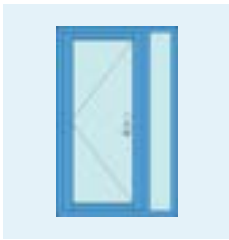
Arrow indicates opening direction



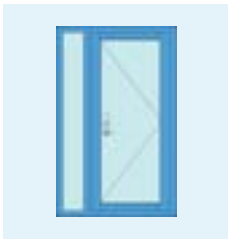
09-01-L



09-01-R



09-02-L



09-02-R



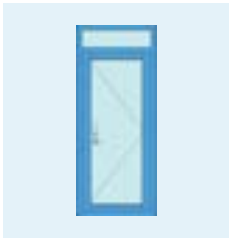
09-03-L



09-03-R



09-04-L



09-04-R



09-05-L



09-05-R



09-06-L



09-06-R



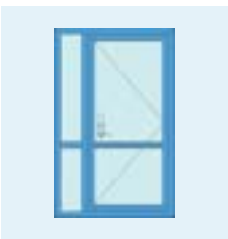
09-07-L



09-07-R



09-08-L



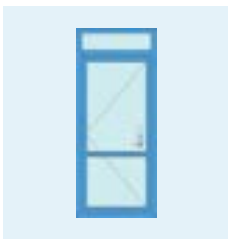
09-08-R



09-09-L



09-09-R



09-10-L



09-10-R



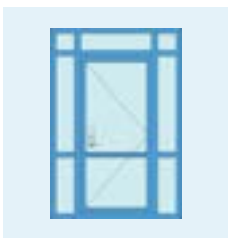
09-11-L



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



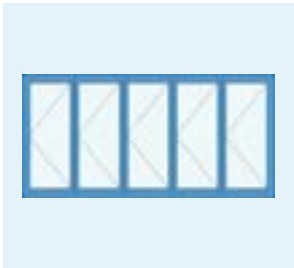
13-07



13-08



13-09



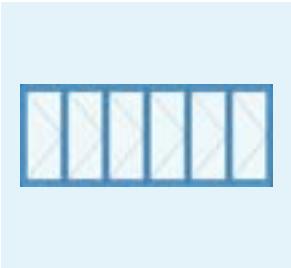
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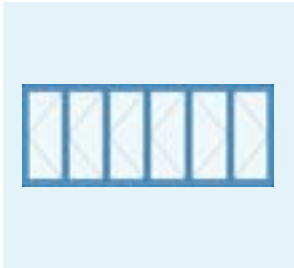
13-12



13-13



13-14



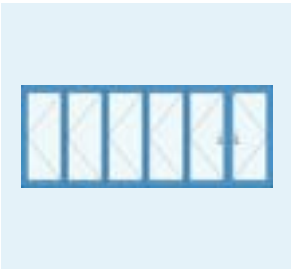
13-15



13-16



13-17




13-18



13-19





SYSTEMS & SERIES

Residential Entrance Doors

OMEGA® Windows and Doors has a range of innovative, high-quality entrance doors for your home or commercial property. Make your entrance count with OMEGA® Windows and Doors.



Our innovative, high-quality entrance doors are designed to enhance the aesthetic appeal and functionality of your home or commercial property. We offer a versatile selection of Tongue & Groove doors in single and double configurations, customizable to any width up to 1200mm.

Our doors blend classic and contemporary styles, providing options for every taste. Committed to sustainability, our products feature Toitū Product Certification and a low carbon footprint, using high-recycled content aluminium. Explore our brochure to discover how OMEGA® Windows and Doors can elevate your entryway with cutting-edge design and environmental responsibility.

SYSTEMS & SERIES / RESIDENT ENTRANCE DOORS

Single Tongue and Groove Doors

OMEGA® Windows and Doors offers high-quality Single Tongue & Groove doors, ideal for enhancing any home or commercial entrance.

These doors are customizable up to 1200mm in width with 2mm increments, and feature a standard 42mm thickness, with a 56mm thermal option available. Optional 'expressed' glazed inserts allow for additional light and design versatility. Crafted with high-recycled content aluminium, our doors are eco-friendly, with a carbon footprint of just 1.29kg CO₂e per kilogram. Elevate your entrance with OMEGA® Single Tongue & Groove doors, combining timeless style and modern efficiency.





TG01

TG02

TG03

TG04



TG05



TG06



TG07



TG08



SYSTEMS & SERIES / RESIDENT ENTRANCE DOORS

Double Tongue and Groove Doors

OMEGA® Windows and Doors presents Double Tongue & Groove doors, perfect for a grand and elegant entrance.

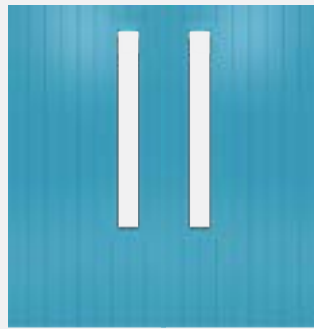
These customizable doors, up to 1200mm wide with 2mm increments, offer configurations like French door arrangements. With a standard 42mm thickness and optional glazed inserts, they blend style and functionality. Made with high-recycled content aluminium, our doors are sustainable, with a low carbon footprint of 1.29kg CO₂e per kilogram. Choose OMEGA® Double Tongue & Groove doors for a stylish, eco-friendly entryway that makes a bold statement.







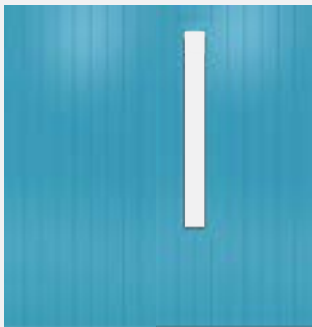
TG01-FDD



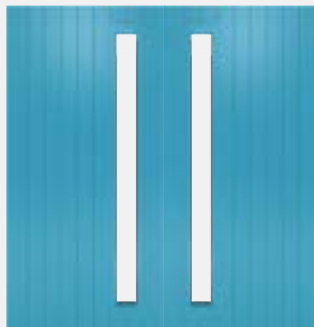
TG02-FDD



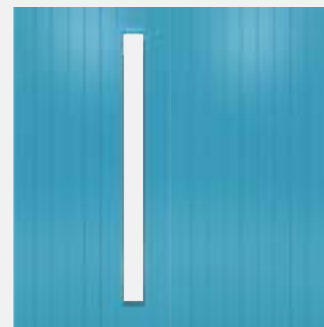
TG02-FDL



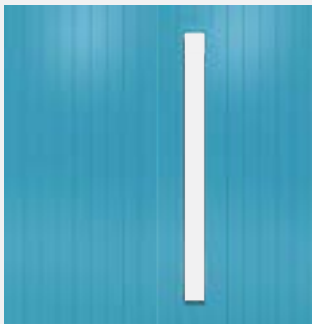
TG02-FDR



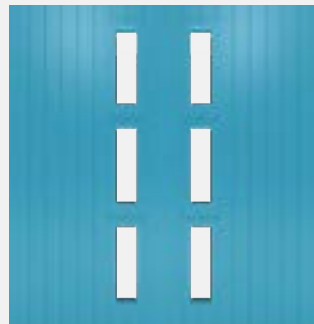
TG03-FDD



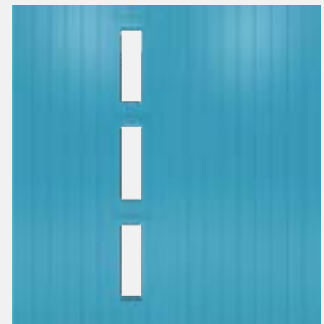
TG03-FDL



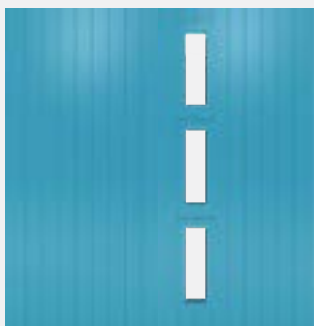
TG03-FDR



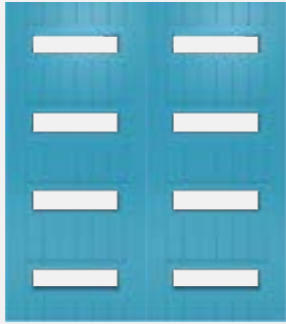
TG04-FDD



TG04-FDL



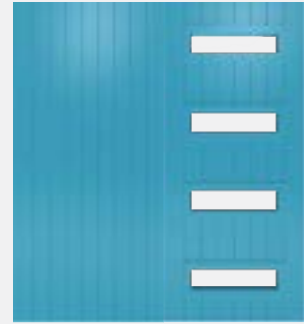
TG04-FDR



TG05-FDD



TG05-FDL



TG05-FDR



TG06-FDD



TG06-FDL



TG06-FDR



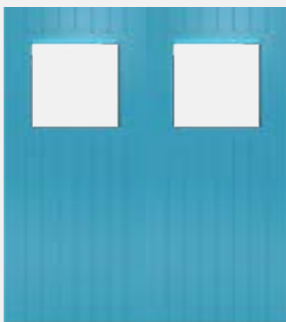
TG07-FDD



TG07-FDL



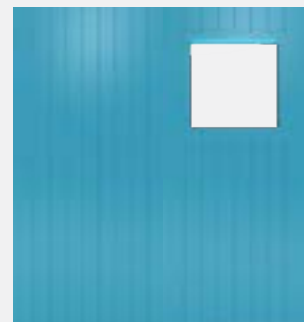
TG07-FDR



TG08-FDD



TG08-FDL



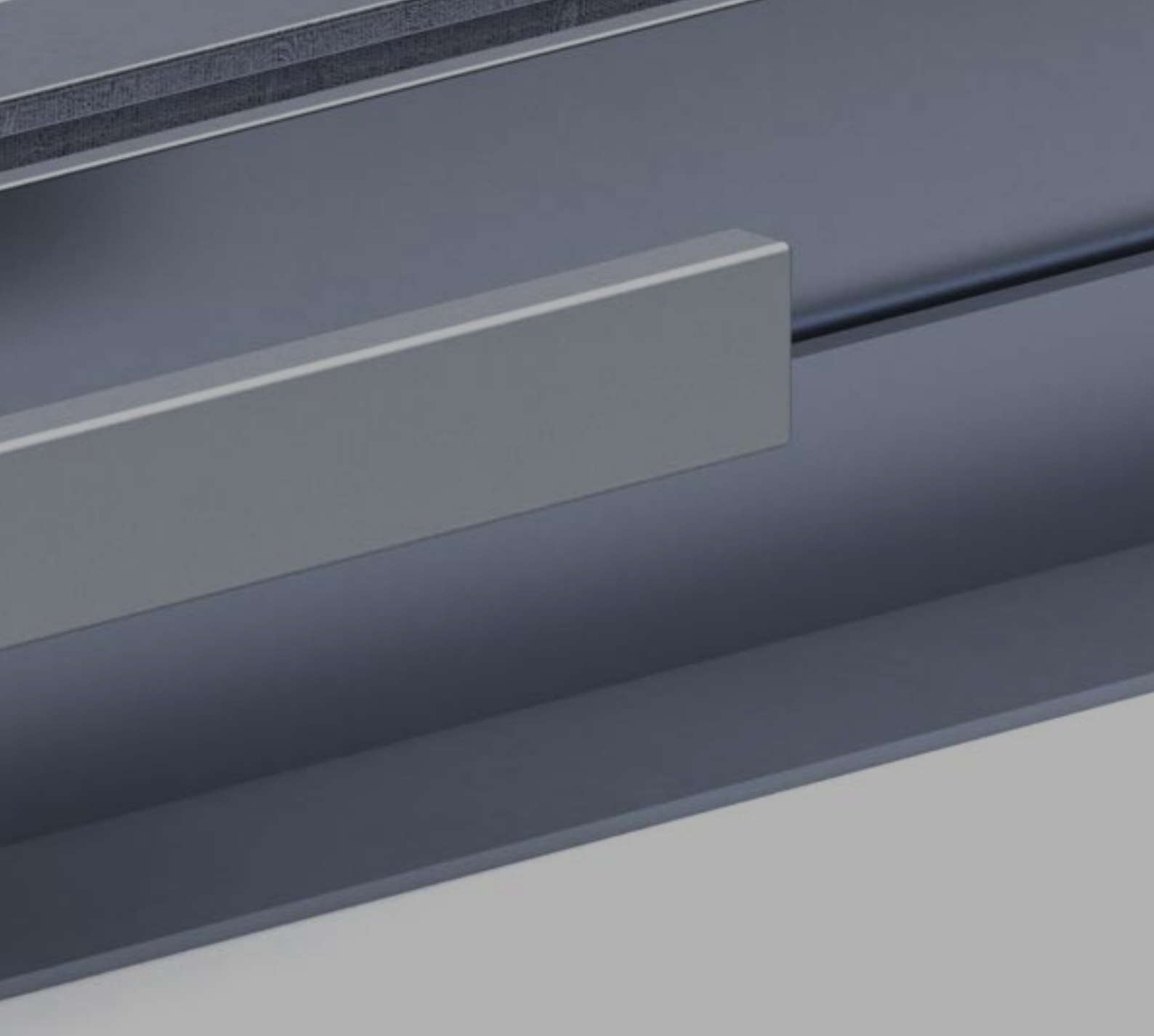
TG08-FDR



SYSTEMS & SERIES

OMEGA Hardware

OMEGA® hardware provides years of trouble free operation and is designed to accompany and compliment our joinery.



We partner with top New Zealand hardware suppliers to provide options tailored to your residential or commercial needs, with hardware that can be colour-matched to your joinery for seamless integration.

We have a range of both proprietary, where appropriate, and other hardware components supplied by leading hardware suppliers in New Zealand.

Single Tongue
Window Fastener



Double Tongue
Window Fastener



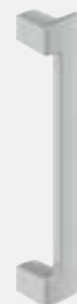
Bifold Lever



Hinged Door Lever



Pull Handle



Sliding Door
Pull Handle



Steadfast Door Stop



Steadfast Door Stop



Steadfast Door Stop



Bifold Escutcheon







