

New **Innovative** Thermal Suite

Sustainable Design Advanced Performance



OMEGA[®]
WINDOWS + DOORS
BY MCKECHNIE[®]

'Thermal break on the outside'

| Why choose OMEGA®?

- **Advanced Thermal Product Performance**
- **Over 50 years of New Zealand Aluminium Manufacturing Experience**
- **Environmentally Sustainable**

OMEGA® is proudly owned by McKechnie® Aluminium Solutions Limited, who have over 60 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.

OMEGA® and McKechnie® Aluminium are the only Aluminium extrusion business in New Zealand to operate a remelt facility for recycling aluminium without affecting the aluminium properties. We offer the most environmentally sustainable product in the market.



OMEGA® Windows and Doors' OMEGA® Windows and Doors' commitment to reducing our environmental impact is evident in our product carbon footprint. While the global average carbon footprint for aluminium extrusion is 11.5kg of CO2e per kg, OMEGA® has achieved an impressively low 1.29kg of CO2e per kg on a Scope 1 and 2 basis, with a full lifecycle of just 7.73 CO2e per kg verified through Toitū's carbonreduce certification.

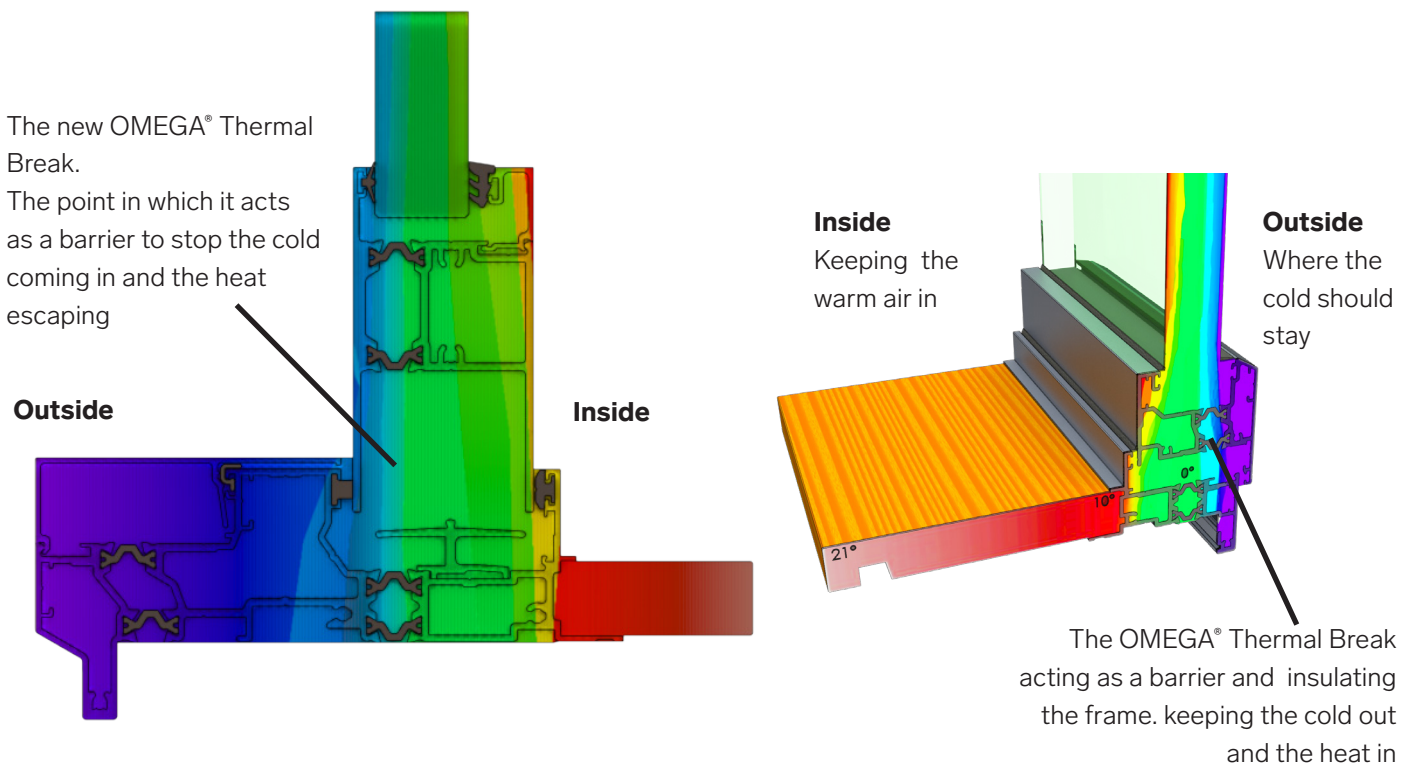


'Getting the level of comfort and a healthy environment that suits your lifestyle is what really matters.'

This can often mean compromising on other things that are important to you like the environment and sustainability. Not with OMEGA®. Our new Thermal Suite means you can look after your family today and generations to come. It really is that simple. Combining advanced European 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.

The new OMEGA® Thermal Suite delivers better 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.

*Up to 36% better (see page 2)



OMEGA® products are also manufactured under a quality and environmental system certified to ISO 9001, ISO 14001 and are Toitū enviromark diamond certified. OMEGA®'s products are tested to New Zealand Standards in their test booth which is independently accredited by IANZ®.



| Thermal Suite Product Range

| Awning & Casement Windows



- Structural mullions with internal strengthening for clean sightlines
- Wide range of fixing options for every level of interior finish
- OMEGA® hardware allows venting and low profile options



| Sliding Windows

- Unique components designed to manage extreme wind and water loads
- Stainless steel rollers on the OMEGA® Polyamide Easy-Glide track
- Spigot fixed rails for extra strength and aesthetic looks



| Roof Windows

- Integrated passive ventilation to allow moisture and allergens to escape
- Highly customisable to suit you and your home, ventilation, blinds, glass selection, insect screens and sun control
- Dual colour option to match your outside roof and inside décor



| Replacement Windows

BEFORE



AFTER



- Cost effective way to transform your home and comfort without total replacement of your joinery
- Installation options to suit your existing joinery
- Aesthetic design with robust appearance

| Thermal Suite Product Range



| Hinged Doors

- 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



| Sliding Doors

- 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 the need for an unattractive fin





| Entrance Doors

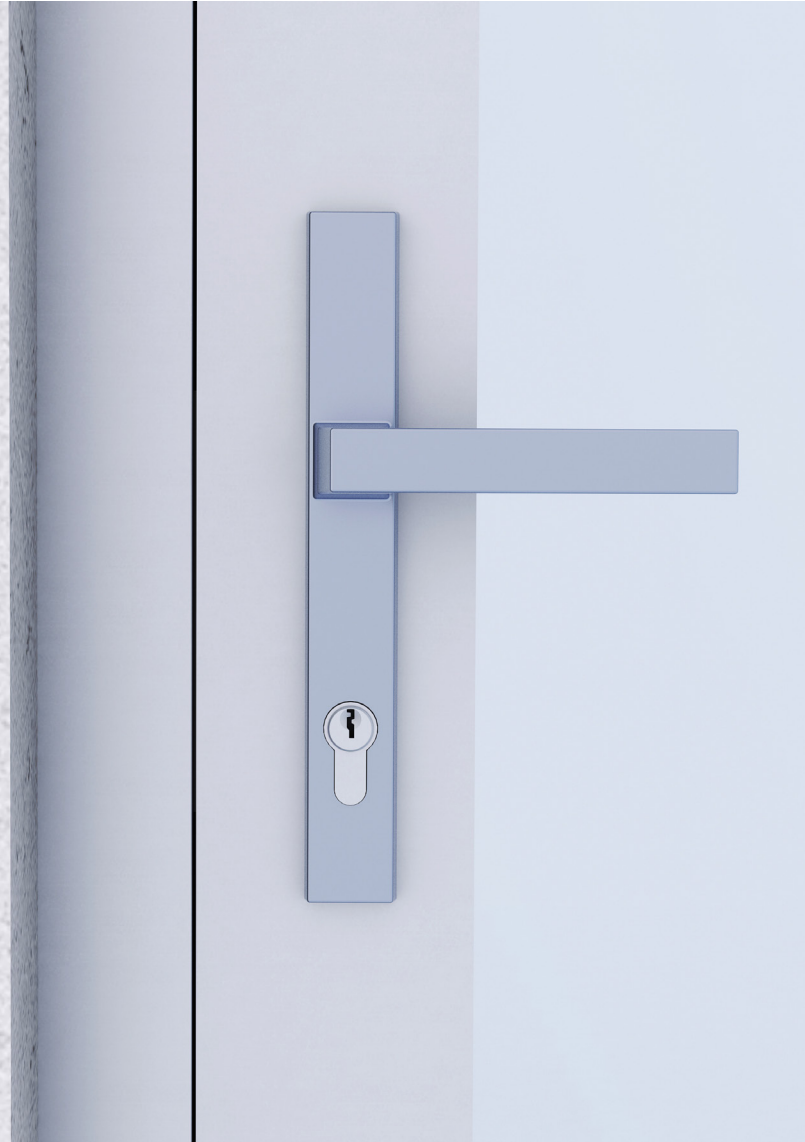
- Flush Glass Door – structurally glazed to eliminate cold bridging from outside
- Infinite design options to suit your home and your lifestyle
- Internal lighting to door panel, individually designed for every home owner



| Bi-Fold Windows and Doors

- 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





EDGE³ SQUARE HINGE DOOR HANDLE

OMEGA® have partnered with some of New Zealand's leading hardware suppliers to bring you a range of hardware and components that is most suitable for your environmental conditions.

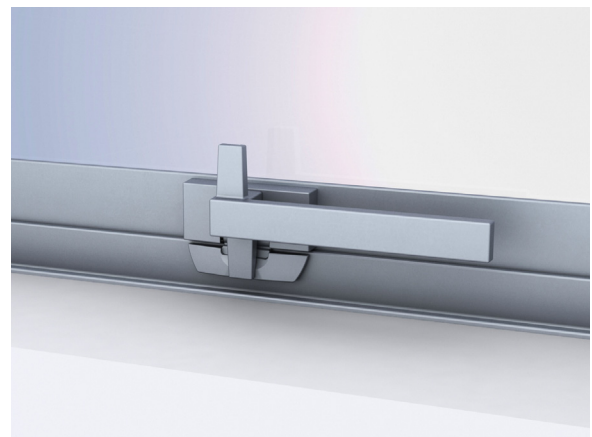
The hardware can be colour matched to the powder coated extrusions to ensure optimum colour integration.

OMEGA® have also designed and developed some propriety 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 WINDOW FASTENER

| 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 meet or exceed the following standards:

- NZS 4211:2008
- WGANZ SSA 3503:03:2005
- 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 on its website www.omegawindows.co.nz

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





| Care and 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 Spirits or WGANZ 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.



Configurations

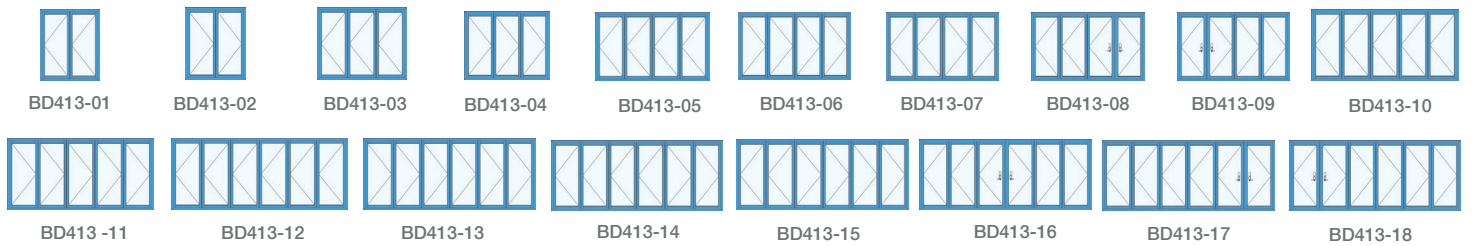
Awning / Replacement Windows



Hinged and French Doors



Bi Fold Windows and Doors



Sliding and Stacker Windows and Doors



Entrance Doors - Tongue & Groove / Glass





Available From:

For enquiries, please contact customer services on:

T: 0800 500 141 | **E:** info@omegawindows.co.nz |

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Private Bag 2007 New Plymouth

To find your local fabricators visit our website: www.omegawindows.co.nz

