

ThermalEdge®

uPVC Windows & Doors

Made for New Zealand living.



uPVC Systems



Developed in partnership with



NK WINDOWS
Made for Living

aluplast®

Powered by



**Proudly
NZ Made**



A new way to think about thermal performance

At Altus® Window Systems, we believe every home should feel good to live in – comfortable, thermally efficient and built to last.

Our ThermalEdge® uPVC windows and doors are designed to deliver outstanding warmth, security and quiet, using high-performance materials engineered for the way New Zealanders build and live today.

Developed in partnership with NK Windows and German systems leader aluplast GmbH, ThermalEdge® combines European precision with Altus® Window Systems local expertise.

The result is a window and door range that complements our aluminium systems – offering New Zealanders more choice around how they create energy-efficient, healthier homes.

Why choose uPVC?

uPVC (unplasticised polyvinyl chloride) has been used in window manufacturing across Europe for more than 60 years.

Its unique composition makes it exceptionally durable, low-maintenance, and thermally efficient – ideal for New Zealand's diverse climates, from coastal to alpine, urban to rural.



The benefits of ThermalEdge® include:

Thermal efficiency

Excellent insulation helps maintain a consistent indoor temperature for a warmer, drier home while also reducing heating and cooling costs

Noise reduction

Multi-chamber profiles and tight seals keep outdoor noise to a minimum for quieter living spaces

Low maintenance

No painting required – just easy cleaning with a damp cloth to keep them looking new

Durability

Engineered to withstand New Zealand's intense UV and harsh conditions, with no fading, corrosion or warping

Sustainability

Recyclable material, no harmful additives, and long service life make it a responsible environmental choice

ThermalEdge® uPVC systems are built around the aluplast Ideal 4000 profile – proven across Europe and tested to meet the demands of New Zealand homes.

Core Performance Aspects

FEATURE	BENEFIT
5-chamber 70 mm frame	High thermal insulation (Rf 0.77 m ² °C/W) for a warmer interior
Glazing thickness from 24–36 mm	Supports double or triple glazing with improved condensation control
Wind resistance up to Extra High rating (NZS 4211:2008)	Confidence in exposed coastal and high exposure zones
Noise reduction of up to 45 dB (DIN EN ISO140-3:2005)	Creates calm, quiet interiors
Co-extruded twin seals	Enhanced weather-tightness and acoustic sealing
Internally glazed sash	Prevents glass removal from outside for added security
High UV resistance (tested to EN 12608 and EN 513)	Fade- and deformation-resistant in New Zealand conditions
Fire resistant to DIN EN 13501-1 Class E	Self-extinguishing material; no flaming droplets
Welded joints	Extra strength and weather tightness; no visible fasteners on external faces
Recycled material core	Environmentally responsible design
Range of finishes	From classic white to modern textured tones

Windows and Doors to suit every home

Whether you're renovating or building new, ThermalEdge® windows and doors can be tailored to your style and layout.



Our Windows



Fixed

clean lines, perfect for framing views



Awning and Casement

outward opening for ventilation and weather protection



Tilt & Turn

European versatility for secure airflow and easy cleaning

Our Doors



Entrance Doors

strength and style in one statement piece



French Doors

open wide to connect indoor and outdoor spaces



Bifold Doors

in limited configurations



Sliding Doors

smooth operation with options for multi-slide or lift-and-slide formats

**All Windows and Doors pictured are shown from an indoor perspective.*

Glass and Hardware

A great window is more than just the frame...



Glass

We use only New Zealand-certified double and triple glazing, including Low-E and argon-filled options that can improve thermal performance by up to 70%.

Additional glass types are available for sound control, security, privacy and solar protection.



Hardware

Precision European components ensure effortless operation and long-term reliability.

A sustainable choice

Choosing ThermalEdge® is a step toward a more energy-efficient, resource-conscious home.

Energy efficient

With low thermal conductivity and advanced seals, uPVC helps reduce heating and cooling costs year-round

Recyclable

uPVC windows are almost 100% recyclable. Recycled uPVC is also used within the profile core, minimising waste and conserving resources

No harmful emissions

Lead-free stabilisers ensure our frames are safe for your family and the environment

No deforestation

Manufactured without timber, avoiding habitat loss

Healthier homes

Warmer, drier interiors reduce moisture build-up and the risk of mould, creating a more comfortable indoor environment

ThermalEdge® is helping New Zealanders build homes that perform better and last longer whilst reducing their environmental impact.

ThermalEdge® brings European innovation and New Zealand expertise together – creating homes that are warmer, safer and quieter all year round.

Discover the ThermalEdge® difference



Behind every ThermalEdge® installation stands the strength of the Altus® Window Systems licensee network – locally owned businesses with decades of experience manufacturing and installing high-performance joinery.

They're supported by the specialist knowledge of NK Windows, New Zealand's uPVC pioneer since 2000 and German systems leader aluplast GmbH.

From initial consultation to final fit-out, we'll work with you, your designer and builder to ensure every detail is right.

For renovations, we can replace existing joinery or fit within existing timber frames.

For new builds, we'll collaborate early in the design phase to optimise thermal performance and aesthetics.

All our products and workmanship are backed by comprehensive Altus® Window Systems warranties — so you can enjoy lasting peace of mind.

Talk to your local Altus® Window Systems Fabricator today to see how ThermalEdge® can help you create a warmer, safer, quieter home – made for living in New Zealand.

TE ThermalEdge®

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Exclusively available through:



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