



STÄRKE

a window to a better world

AMBIANCE INLINE WINDOW SYSTEMS

Thermal & Acoustic Performance Guide



“It's really saved us a lot in heating costs, the place always feels the perfect temperature. It cuts out a lot of noise from outside and we feel safe and restful. we love it!”

Neil, Auckland Homeowner



WE'RE LEAVING ALUMINIUM WINDOWS OUT IN THE COLD

When aluminium windows were invented the focus was on how they lasted in the weather, much better than timber windows that rot. The problem is that whilst aluminium is durable, it's also a fantastic conductor of heat (9x better than steel) which means the temperature outside will soon transfer to become the temperature inside. Since day one, people have been trying to solve this problem by adding double-glazing, argon gas, even strips of rubber or pieces of plastic – all trying to change the laws of thermodynamics.

With Stärke Ambiance inline window system we engineered the performance from the inside out. Starting with an advanced polymer that is a poor conductor of heat and sound to ensure your home is quiet, warm and dry. The results are undeniable, Stärke Ambiance inline windows help to create homes that are **WARMER, QUIETER, SAFER AND HEALTHIER**. It's time to leave aluminium windows out in the cold and choose Stärke Ambiance inline windows.



THERMAL PERFORMANCE

Dramatic reduction in your heating and cooling bill; 48% better thermal performance than thermally broken aluminium keeps the heat in during winter, and the heat out during summer.



ACOUSTIC IMPROVEMENT

Enjoy a peaceful, tranquil and quiet indoor ambiance with up to 37dB sound reduction - you won't hear the neighbor's dog, car or music again!



SAFE & SECURE

Sleep well knowing that your home and family is safe from intruders, with international standard RC2 burglar resistance.



THERMAL MODELLING

Know exactly how your new home will perform, how cold and how warm it will get, and how you are best to optimize it with STARKE thermal modelling. Using STARKE Ambiance can save up to \$10,000 on your build cost through smarter thermal design.

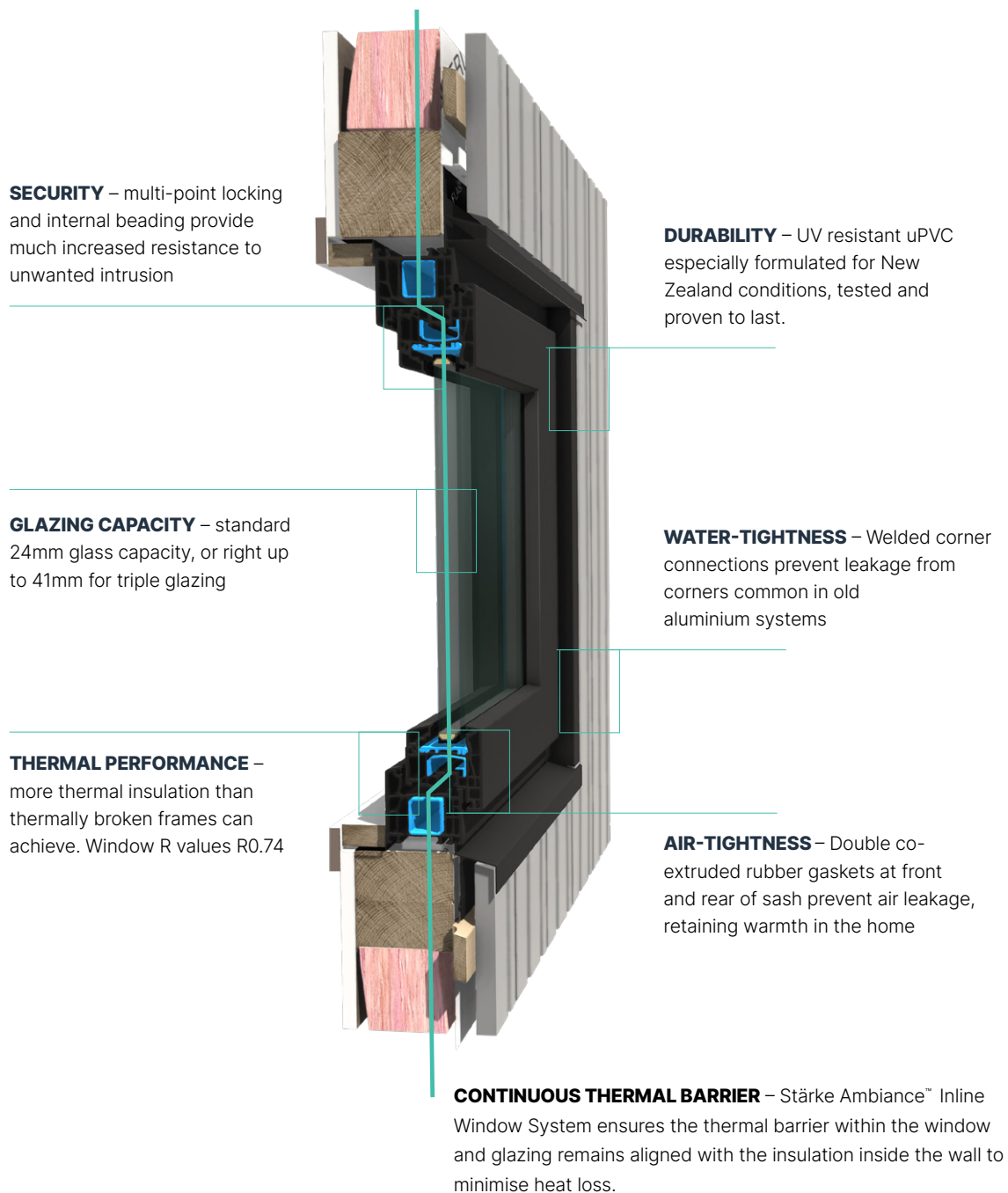


NO MORE CONDENSATION

Keep your family happy, healthy and warm by preventing condensation on your windows, which causes mould growth and asthma.

WINDOWS THE WAY THEY SHOULD BE

The Stärke Ambiance™ inline window system is designed for recessed installation providing the clean lines of a modern aesthetic. All of the insulating materials line up - your timber framing, in-wall insulation and energy efficient windows avoiding any gaps of thermally inefficient materials for the outside air to circulate through.



SECURITY – multi-point locking and internal beading provide much increased resistance to unwanted intrusion

DURABILITY – UV resistant uPVC especially formulated for New Zealand conditions, tested and proven to last.

GLAZING CAPACITY – standard 24mm glass capacity, or right up to 41mm for triple glazing

WATER-TIGHTNESS – Welded corner connections prevent leakage from corners common in old aluminium systems

THERMAL PERFORMANCE – more thermal insulation than thermally broken frames can achieve. Window R values R0.74

AIR-TIGHTNESS – Double co-extruded rubber gaskets at front and rear of sash prevent air leakage, retaining warmth in the home

CONTINUOUS THERMAL BARRIER – Stärke Ambiance™ Inline Window System ensures the thermal barrier within the window and glazing remains aligned with the insulation inside the wall to minimise heat loss.



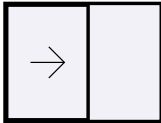


“As soon as you touch a Stärke Ambiente window you will feel the difference”

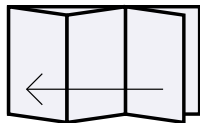
Michelle, Auckland Homeowner

CONFIGURATIONS & HARDWARE

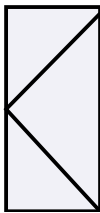
We've got all the configurations options covered to meet your needs, Sliders, Bi-Folds, Windows and Doors, multi-point locking, tilt-n-turn – we're sure to have just the right solution for your home together with an attractive range of hardware and accessories.



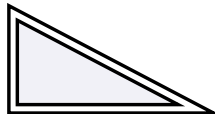
Sliders



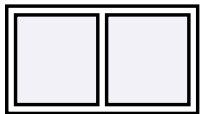
Invisifold



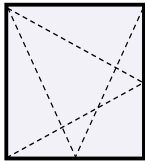
**Hinged Doors
Open In & Out**



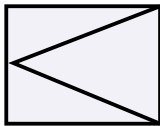
**Raking
Head Units**



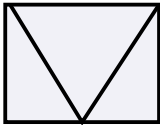
**Coupled
Units**



**Tilt & Turn
Window**



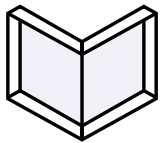
**Casement
Window**



**Awning
Window**



**Overlights &
sidelights**



**Corner
Units**



**SmartSlide
Handle
(White or Black)**



**LiftnSlide
Handle
(White or Black)**



**TiltTurn
Window Handle
(White or Black)**



**French Door
Handleset
(White or Black)**



**Hinged Door
Lockable
Handles
(White or Black)**



**Awning Window
Handle
(White or Black)**



**ELOK - Digital Front
Door Lockset**



HOW AMBIANCE WORKS FOR YOU

Up to 50% of heat loss, and up to 70% of heat gain is through your windows.

Ceilings and roofs
5-10% heat loss

**Air Leakage through
Windows & Doors**
10-20%

Walls
10-15% heat loss

Windows & Doors
Up to 50% heat loss
Up to 70% heat gain

Floor
10-20% heat loss

Talk to your builder or architect to include Starke Ambiance Inline Window System in your new home and look forward to **reducing your heat loss by up to 50%, heat gain reduction by up to 70%.**

**SEE YOUR ENERGY
BILLS DROP!**



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Looking after our planet is the only option

It's reassuring to know that our windows contribute to creating a brighter tomorrow for future generations.

Not only do we use recyclable materials wherever possible, the best bit is our high-performance windows outperform traditional windows by 48%* helping to reduce energy consumption. Stärke is ISO 14064-1:2018 environmentally certified with a goal of being carbon neutral by 2025.



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