

SMART SUSTAIN —ABLE DESIGN



TAKE YOUR SUSTAINABLE LIFESTYLE
DESIGNS TO NEW HEIGHTS.

HOMEOWNERS WILL ALWAYS
EXPERIENCE A COMFORTABLE
TEMPERATURE, WITH THERMOTEK'S
UPVC, DOUBLE GLAZING SYSTEMS.



Why uPVC

Thermotek Windows & Doors

EXPERIENCE THE POWER OF UPVC

As a building material, uPVC has UV stability and resistance to fire and strong wind. uPVC can withstand temperatures up to 100°C and has many environmental benefits. 100% recyclable, with a combined life cycle of up to 350 years.



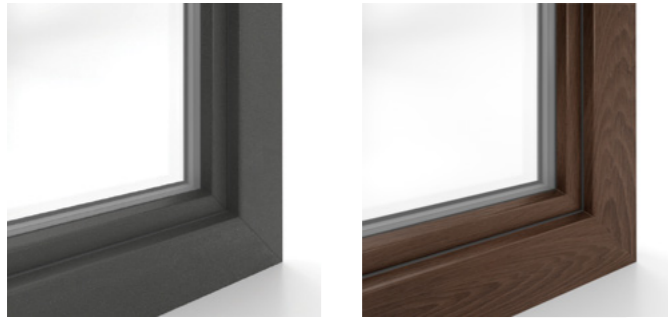
Having all the benefits of aluminium or timber windows, uPVC moves away from fossil fuels. With very low energy conversion, lead-free uPVC raw material preserves tropical forests. Nature and rainforest conservation are crucial for a net-zero future.

This durable, thermally-efficient uPVC profile is versatile to modern, smart, sustainable designs. The system combats costly thermally-broken aluminium solutions. It achieves the lowest u-values of 1.0–1.9 at the most affordable cost for energy ratings.

Made in Melbourne, our products have a WERS rating between U_w 1.0–1.9. uPVC will not deform with moisture or temperature difference. It keeps away mould. Easy to clean and recycle, termite resistant while also protecting from burglaries.

STYLISH, SUSTAINABLE LIVING

Developed with aesthetic unity in mind, with various laminations and colour options. Highlight your designs and let your imagination run wild.



STAY COOL WITH GERMANY TECHNOLOGY

Designed and tested for the Australian climate with superior insulating properties. Suitable for all types of green residential projects, new builds, and renovations.

Available in a wide range of modern, architectural and woodgrain colours.

- Visual styling
- Superior energy efficiency
- Ultimate design flexibility

Choose from:

Our Architectural Range includes stylish colour options, plus standard and matt finishes. Perfect for elegant design projects. This range includes black and anthracite grey. Covered with scratch-resistant grain and sand-matt finishes, like powder-coated aluminium.

Our Designer Range includes an expressive and genuine wood finish. Almost indistinguishable from a wooden window, these are a new generation of materials. This range recreates the look and feel of natural surfaces with authenticity.

During hot weather, materials can heat up a great deal. Dark colours absorb heat rays more than light colours. This causes material damage and discolouration. Vast amounts of temperature changes inside and out can affect your windows and doors.

At Thermotek, we mitigate this using our patented cool colour technology. Materials with high surface heat resistance. Thermotek utilises revolutionary Cool Colour technology by aluplast, in collaboration with Continental. This technology achieves amazing weatherproofing and outstanding UV protection.

Thermotek windows have the option of an innovative PVDF layer structure. This can reduce profiles from heat absorption, even in direct sunlight.

Suitable for any climate, the patented cool colour pigments repel radiating heat. They reflect up to 80% of the Near-Infrared or NIR part of the sunlight. This allows profiles to stay 5°C cooler and colours to stay as brilliant as on the first day, for many years to come.

ALL ABOUT INSULATION.

WINDOWS COMPRISE ONLY 10–15% OF THE ENTIRE BUILDING ENVELOPE. YET THEY CAUSE ALMOST 40% OF THE BUILDING'S HEAT LOSS.

YOU CAN LOSE 45% OF A HOME'S HEATING ENERGY THROUGH WINDOWS AND DOORS.

AND YOU CAN ALSO GAIN 85% OF A HOME'S HEAT THROUGH ITS DOORS AND WINDOWS.



DESIGN & TECHNOLOGY AT SCALE

Thermotek's advanced design and engineering tick all the boxes. Utilise our state of the art window systems.

THE TECHNOLOGY OF COMFORT

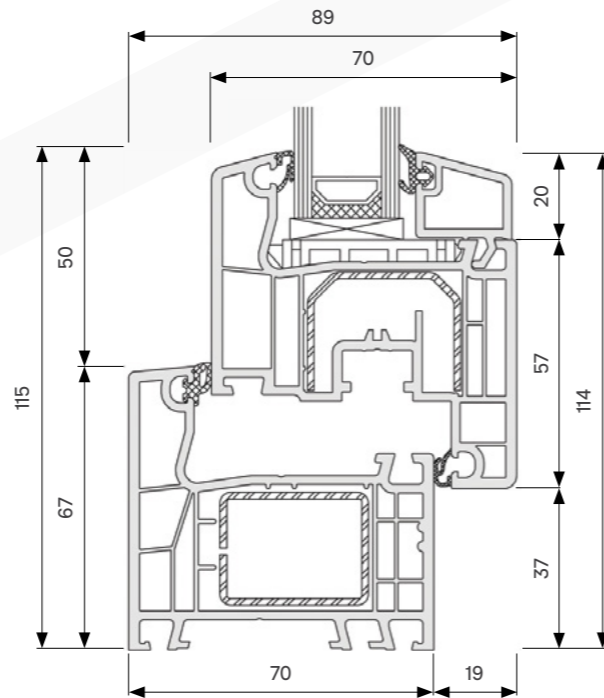
Superior Profile Design

Our Boutique Series 5000 has a profile depth of 70mm, with a 5 chamber system. Suitable for all standard frame, sash, mullion and transom profiles.

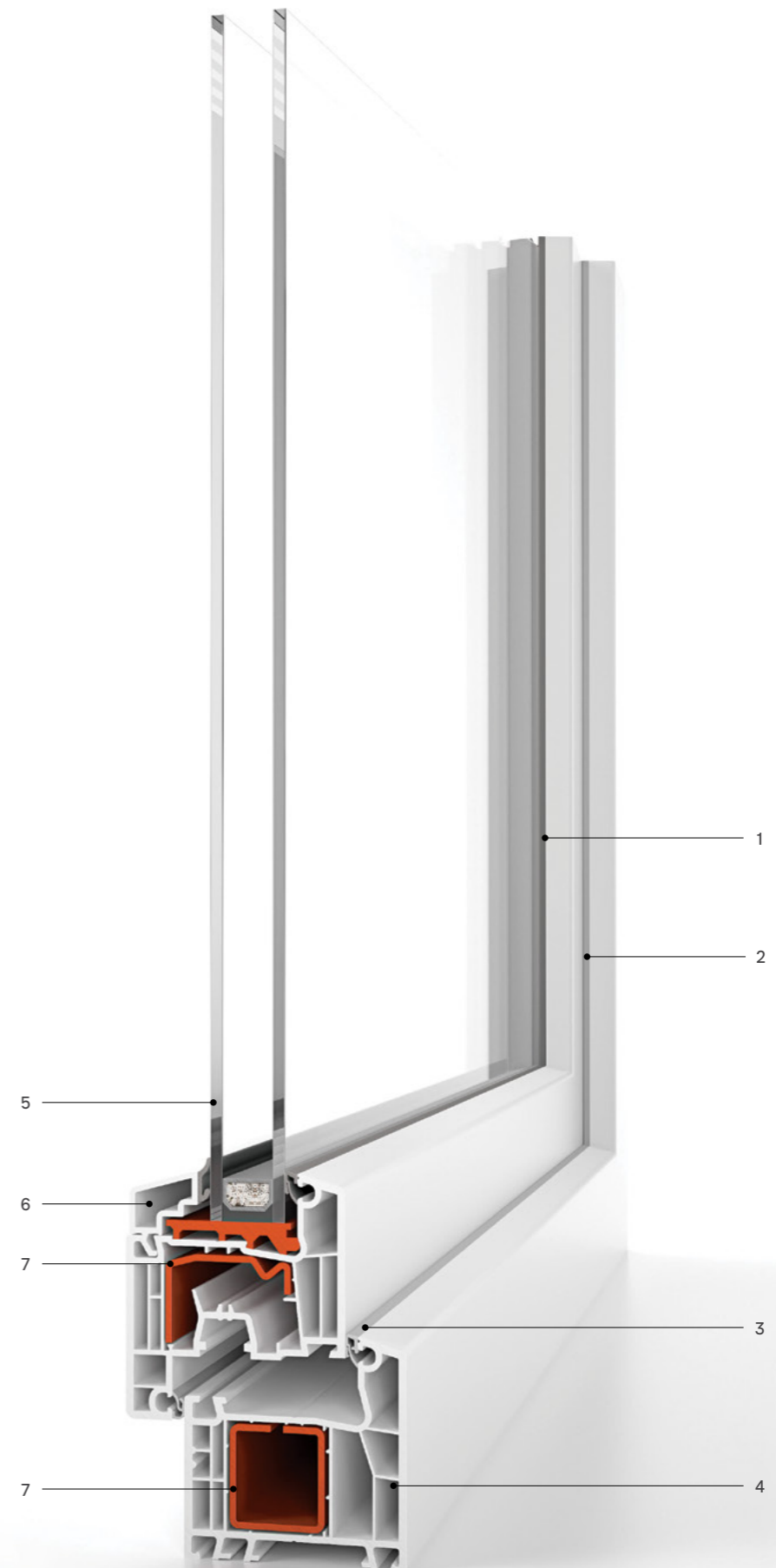
The multi-inner and outermost hollow chambers guarantee optimal thermal insulation properties. The outermost chambers allow for concealed drainage and air equalisation of the rebates. The large, middle chambers accommodate the structure of reinforcement profiles.

70MM PROFILE DEPTH

- Thermal insulation of the standard combination $U_f=1.0-1.9 \text{ W/m}^2\text{K}$
- Backstop gasket system with two sealing levels
- Glazing thickness up to 41mm
- Tested burglar resistance class RC2
- Excellent sound insulation up to noise insulation class IV
- 5-chamber system as standard combination
- Available in numerous decor variations



- 1—Glazing gasket
- 2—Casement optics
- 3—Sealing levels
- 4—Profile chambers
- 5—Glazing
- 6—Glass strip
- 7—Steel reinforcement





Single-Leg Glazing Bead

Single-Leg Glazing Bead is a secure, single-leg 'knock-In' or J-bead design. The single-leg bead makes for faster, easier installation. This provides the cleanest glazing platform. Installers love the way the single-leg bead locates. The single-leg format affords both stability and security while accommodating normal glazing tolerance. aluplast's secure bead system passes Secure by Design and PAS24 with ease.

Superior Gaskets Insulation

The frame's outer backstop gasket and the sash's inner backstop gasket optimise heat and sound insulation values. This prevents the formation of condensation in the fittings and main profiles. Welded with pre-inserted TPE backstop and glazing gaskets. Choose from either black or papyrus grey gasket.

Squareline Contemporary Profiles

These sculptured shape designs create stunning windows and doors. Beautiful both inside and out with a design focused on symmetry. These windows and doors are perfect for replacements. Easy to fabricate and stunning to look at.

There are positive stops at either extreme of the sculptured shape. These provide defined data points for fabrication machinery. They make fabrication easier in more basic fabrication environments.

Matching Bead and Profile Design

The bead shape mirrors the shape of the upstand to the glazing rebate. This provides a beautiful, balanced appearance with identical sightliness. The finished window looks identical viewed from inside or outside.

Our 28mm high performance, double glazed sealed units have become the performance standard. The option of 24mm glazing depth is also available. Suitable for a wider range of window and door specifications. Glazing beads for 28mm and 24mm sealed units offer a square line appearance. This enhances the profile detail. We can also produce triple glazing with ease utilising our 36 and 40mm glazing beads.

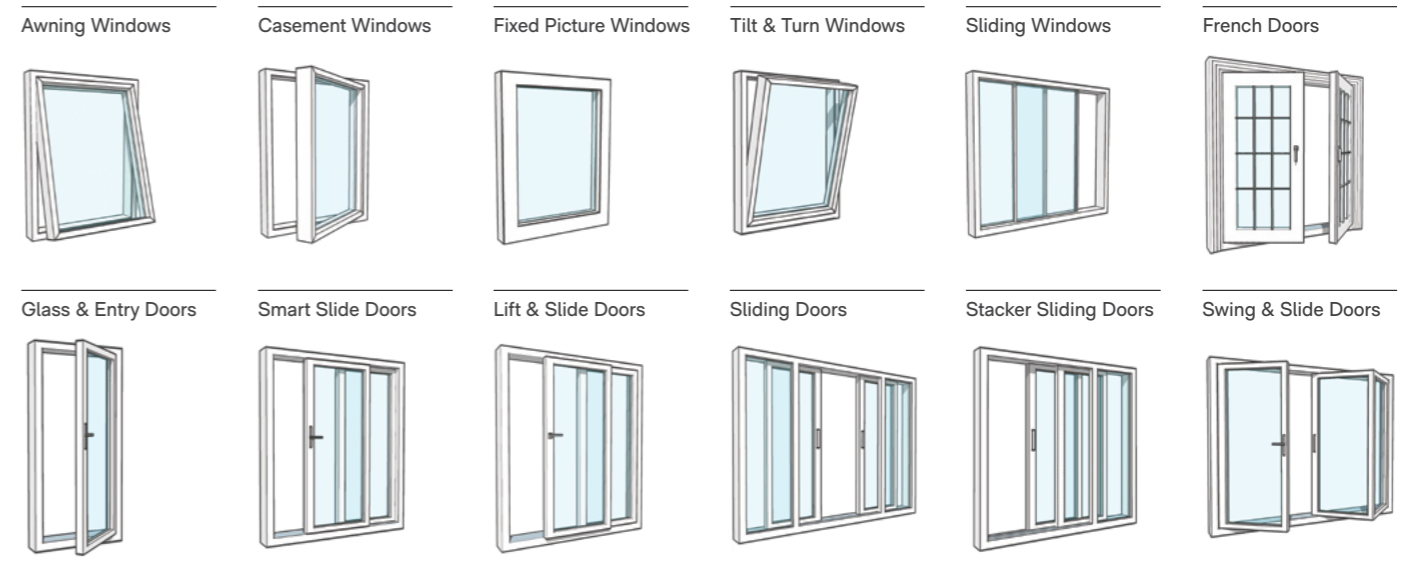
Co-extruded Gaskets

Co-extruded gaskets end the need for weather seals and gaskets to frames and sashes. This is a time-consuming application following the welding process as part of fabrication. The time saved will provide an increase in fabrication efficiency.

Come in papyrus grey, Thermotek's gaskets provide outstanding weather performance and complement the profiles' elegant sightliness. Co-extruded gaskets remove "the shrinking back" effect typical of old gasket systems. They prevent any gaps in corners. Our windows and doors are also easier to fit.

VARIOUS OPENING TYPES

Thermotek's advanced design enables simple, cost-effective fabrication and installation of the following:



THE ELEGANT CONNECTION BETWEEN INSIDE AND OUTSIDE

Let the living space and garden merge into one room. A seamless passage to the balcony and garden with aluplast sliding doors.



SLIDING SYSTEM DEVELOPED FOR SMOOTH AND EASY OPERATION

Smart-Slide

The generous width and height mean the door is suitable for many situations. Made of high-quality components, with an elegant design. Easy to fit and construct all at once. The high-quality technology guarantees top values for heat insulation, statics and sealing.

Lift & Slide

Our Lift & Slide offers you maximum freedom. The 85mm lift-and-slide door meets the requirements of modern building regulations. Designed especially as a door for patios, balconies, and gardens. The patented lift-and-slide mechanism and a gliding door leaf of up to 12m wide × 3m high make it the ideal solution.

Another advantage is its space-saving design: The sash slides parallel to the fixed pane of glass, which means it does not occupy any extra space. The result? Spacious room designs with added value and comfort!





STACKER SLIDING DOORS

An innovative alternative to traditional bi-folding and sliding patio doors. Manufactured in Melbourne by our expert team using high quality materials. This revolutionary design allows you to open the panels in stacks of up to 6. Open a whole new world of living options. The simple installation process means anyone can do so. There are no specialised tools or experience necessary. Available in 3 and 6 panels, giving absolute flexibility to all types of dwellings.

SWING & SLIDING DOORS

The impressive new alternative to bulky traditional bi-fold doors! These state of the art doors offer you maximum seamless access to the outdoors. The unique German gearing allows each sash to move on their own. This creates flexibility in the use of your doors. Multi-point locking systems ensure the house is safe and secure. The dual seals make these doors among the highest thermal efficiency available.

SLIDING DOORS

A doorway solution which is both space saving and energy efficient. Sliding doors provide effortless transitions between interiors and outdoor living. They have a profile that fits within most wall types. Sliding glass doors allow for more space than traditional swinging doors. Versatile, easy to use, beautiful additions to any home or business. Our comprehensive range of sliding glass doors are available with 2, 3 or 4 panels. Timberlook aluminium and premium powder coated options available.

WHY THERMOTEK?

Frontline energy-efficient solutions for windows and doors made right here in Australia.

WORLD-CLASS INNOVATIONS, LOCAL EXPERTISE



Established in 2012, Thermotek manufacture everything in Melbourne. We are one of the leading, commercial uPVC window and door suppliers in Australia.

Our commitment to world class standards has evolved us into utilising highest quality profiles and hardware from Germany, and top-grade Australian double glazing. This is complemented with local customised designing, manufacturing capacity, on-the-field project support and an in-depth understanding of the local market and environment. This provides a significant value proposition to any designer, architect, or home builder.

Consistency of Quality Excellence

Thermotek have a long-term, strategic partnership with aluplast in Germany. This has allowed us to access to the most updated, innovative uPVC profile systems in the world. We customise the global innovations and systems for our climate and market. Exceeding Australian Standards, experience high energy efficiency with our windows and doors. Perfect for modern, sustainable, passive design and energy rated projects.

Customised Solutions at No Extra Cost

We have extensive, local knowledge and industry experience over many years. This has paved the way to an unwavered focus. Our mission is making superior window and door systems accessible to Australian homes. Enabling accessible uPVC pricing and responsive services lead-times.

Seamless Project Delivery

Our committed, experienced team include project management and field services experts, and more.

SCAN TO LEARN MORE ABOUT THERMOTEK WINDOWS 71



POWERED BY



MEMBERS OF



ECO-MANAGEMENT



Emphasis on Recycling

The raw materials for our window profiles include a lead-free, calcium-organic chemical compound. Aluplast's involvement in VINYL 2010 promotes the use of recycled materials, so we can manufacture and recycle window systems in an ecological and managed way.

UPVC's Life Cycle

Building a net zero carbon future requires driving down embodied carbon to an absolute minimum and this begins with reducing the carbon footprint of what and how we build. Thermotek's profiles and other products are sourced from partners who share our eco-philosophy, a fully recyclable window and door means our uPVC products are part of a Circular Economy.

Decarbonising Australia's Buildings

As a manufacturer of a very important part of the building envelope, we recognise our responsibility towards the environment. This not only means sourcing materials from low carbon footprint partners, but also playing a direct role in decarbonising Australia's buildings by delivering low carbon footprint products and services.

THERMOTREE PROGRAM

Natural landscapes and forests play a huge role in building a sustainable future. Our focus is on tree planting as part of our continual commitment to sustainability.

With every project collaboration, Thermotek will plant a tree on your behalf. You will also receive a certificate of your personalised Thermotree.

With our Thermotree Program, we have partnered with a brilliant organisation, Carbon Neutral. The organisation focuses on large-scale revegetation of degraded farmlands and reforestation. They restore landscapes and natural ecosystems in the Yarra Yarra biodiversity corridor.



SCAN TO LEARN MORE ABOUT THERMOTREE PROGRAM 71

IT'S ALL IN THE DETAILS.

OUR CUSTOMISED APPROACH TO CUSTOMER CARE AND SERVICE IS ONLY THE BEGINNING!

NO CHALLENGE IS TOO MUCH WITH OUR PERSONALISED APPROACH.



THERMOTEK

SMART
SUSTAINABLE LIVING

46 Logis Blvd Dandenong South VIC 3175
Phone 1300 663 861
sales@thermotekwindows.com.au
www.thermotekwindows.com.au