



SUSTAINABLE WINDOWS AND DOORS

**For a better life and
a better world**

THE FUTURE IS IN SUSTAINABILITY

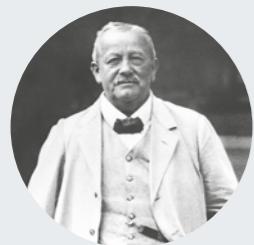
Kömmerling, the visionary brand

Even in 1897, when Karl Kömmerling founded his company, high-quality and advanced technologies were the be-all and end-all. This is still true today – it's not without good reason that Kömmerling is one of Europe's leading window system manufacturers.

Even in the early days, modern materials were considered to be a key success factor at Kömmerling. The company started with adhesives and synthetic rubber and then moved on to high-quality uPVC and other innovative materials.

Kömmerling produced its first uPVC roller shutters in 1957 and began manufacturing high-quality uPVC window profiles ten years later. The rise of the Kömmerling brand in the years that followed was also characterised by an innovative spirit.

Now more than ever, farsightedness and development expertise play a crucial role at the company. All of our window and residential door systems stand for not only quality and comfortable living, but also climate protection, longevity and sustainability.



1897

Karl Kömmerling founds the company

1902

Start of adhesive production

1952

Start of uPVC production

1957

Start of profile extrusion with uPVC roller shutters

1967

Manufacture of uPVC window profiles and plates

1997

The company celebrates its 100th anniversary

2003

Founding of profine GmbH as a parent company for the profiling business

TODAY

We supply products to around 50 countries all around the world

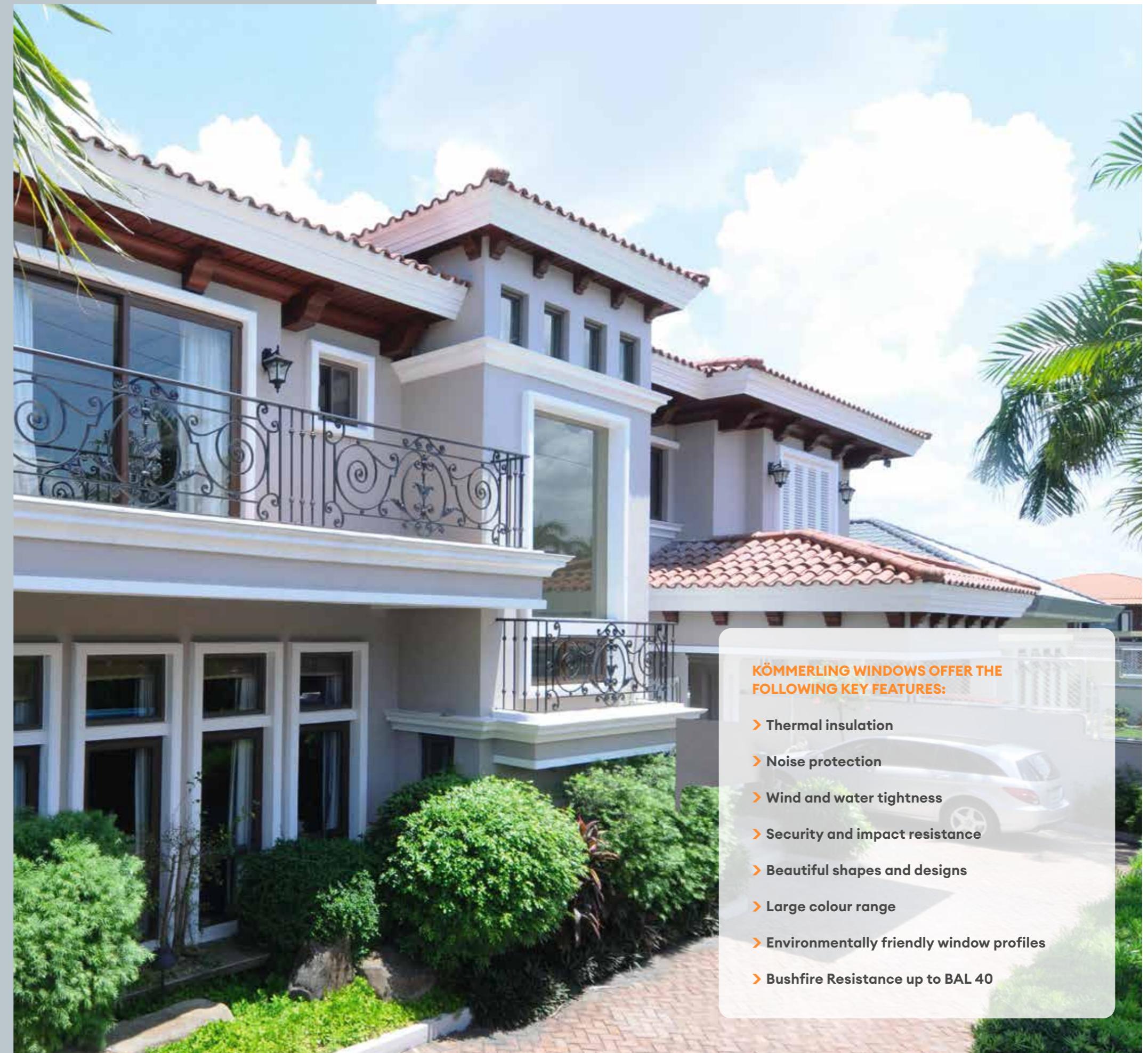
MORE QUALITY OF LIFE WITH NEW UPVC WINDOWS

New uPVC windows bring more light into your home and significantly increase your feeling of comfort and well-being. Offering outstanding levels of both thermal insulation and noise control, Kömmerling high performance uPVC systems can help provide total passive control of the internal living environment. Combine that with high levels of security and the ability to optimise your available floor space by contributing to the elimination of cold down draughts, it's easy to see why so many people are turning to Kömmerling to automatically improve their quality of life.

By utilising innovative profile technology, Kömmerling make it possible to manufacture windows with large panes of energy efficient insulating glass units. This enables your home to be cooler in summer and warmer in winter whilst optimising the free natural energy of the sun all the year round. By helping to reduce heating and air conditioning costs overall energy consumption is also reduced, contributing to a much more sustainable environment.

Kömmerling windows and doors will provide added value to your home, with all of the advantages of high performance in every aspect of window design.

► On the following pages, you will learn more about the advantages of Kömmerling windows and doors.



KÖMNERLING WINDOWS OFFER THE FOLLOWING KEY FEATURES:

- Thermal insulation
- Noise protection
- Wind and water tightness
- Security and impact resistance
- Beautiful shapes and designs
- Large colour range
- Environmentally friendly window profiles
- Bushfire Resistance up to BAL 40

PERFECT VIEWS AND WONDERFUL PROSPECTS

Bright, light-flooded living spaces – a dream that is always within reach: with our Kömmerling window and door systems. Recharge your batteries with a view of nature or enjoy the expanse of the urban skyline. Everything is possible. What's more, the profiles are recyclable and made of environmentally friendly upvc. The result is sustainable solutions that are perfect for new buildings and renovations.



GREEN LIGHT FOR SUSTAINABLE WINDOW SOLUTIONS

Saving Energy, protecting the environment

Nowadays, it takes more than a cosy atmosphere and an elegant look to create a home with a high quality of life. Environmental aspects are becoming increasingly important. This is why high-performance uPVC window and door systems by Kömmerling are perfect for all types of buildings. First of all, they provide efficient insulation to prevent heat loss as well as heat gain reducing energy consumption. That means lower costs for heating and cooling and fewer CO₂ emissions.

In addition, our uPVC window systems can withstand even harsh climatic conditions: Not only do they work perfectly in extreme temperatures, under extreme UV levels or salty sea air, they are also low maintenance, have a long service life, dimensional stability and a robust surface. In a nutshell: You can look forward to enjoying your Kömmerling windows and doors for many years to come.

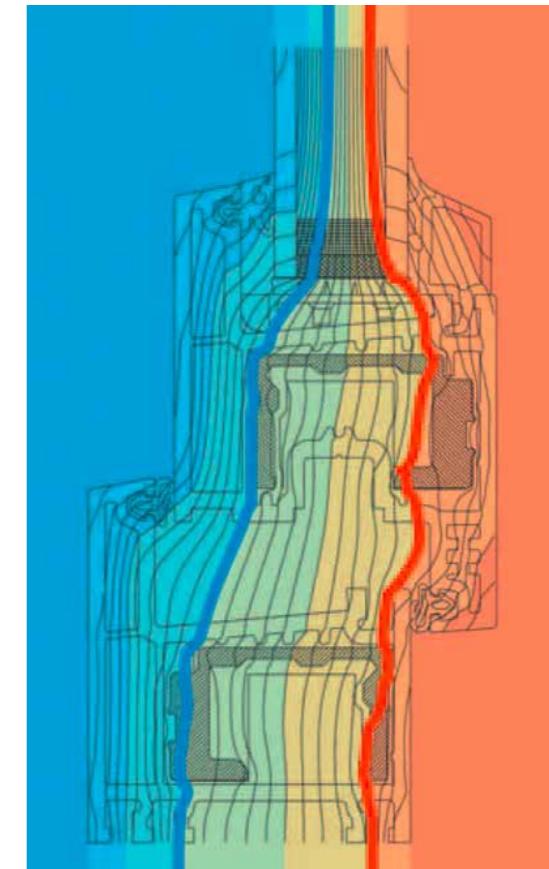
MOVING TOWARDS NET ZERO

Did you know that the built environment in Australia accounts for 25% of our greenhouse gas emissions? This makes it all the more important to reduce energy consumption as quickly and effectively as possible. By choosing uPVC for our window and door systems, we help you to make a significant contribution to reaching this objective – with solutions that minimise CO₂ emissions.



Frame material	U _f value [W/m ² K] **
Aluminium	3.5 (60 mm)
Aluminium with thermal bridge	2.0 (60 mm)
Wood	1.5 (60 mm)
uPVC	1.3 (70 mm)
uPVC	1.0 (76 mm)

** The U-value measures the insulating value of a material as a reflection of the heat loss transferred through a unit. The lower the U-value, the greater the resistance to heat flow, resulting in better insulation.



Thermograph of a window with Kömmerling profiles.



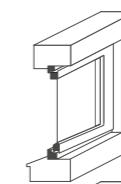
ENJOY THE SILENCE AND YOUR WELL-BEING

Good health and a high quality of life are something we all aspire to. Avoiding noise in your home helps to safeguard your physical and mental well-being. After all, excessive noise can lead to illness and cause psychological stress for you and your family. That is particularly true if you live near roads with heavy traffic, railways or in close vicinity to airports.

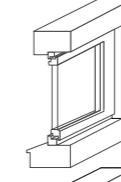
EFFICIENT NOISE PROTECTION

Kömmerling offers window solutions that contribute toward protecting your health. Insulated glass options such as acoustic laminated glass help to minimise noise. By combining insulating glass with our high-grade, multi-chamber profiles, we can reduce noise levels inside the house even more so that you only perceive 1/24th of the outside noise. Traffic noise is almost completely muted - for all-round comfort and an undisturbed sleep.

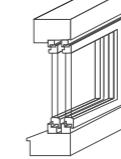
The insulation requirement for windows depends on how the building is used and the level of outside noise. Windows installed with Kömmerling profiles result in a noise reduction of up to 45 dB, depending on the type of glazing.



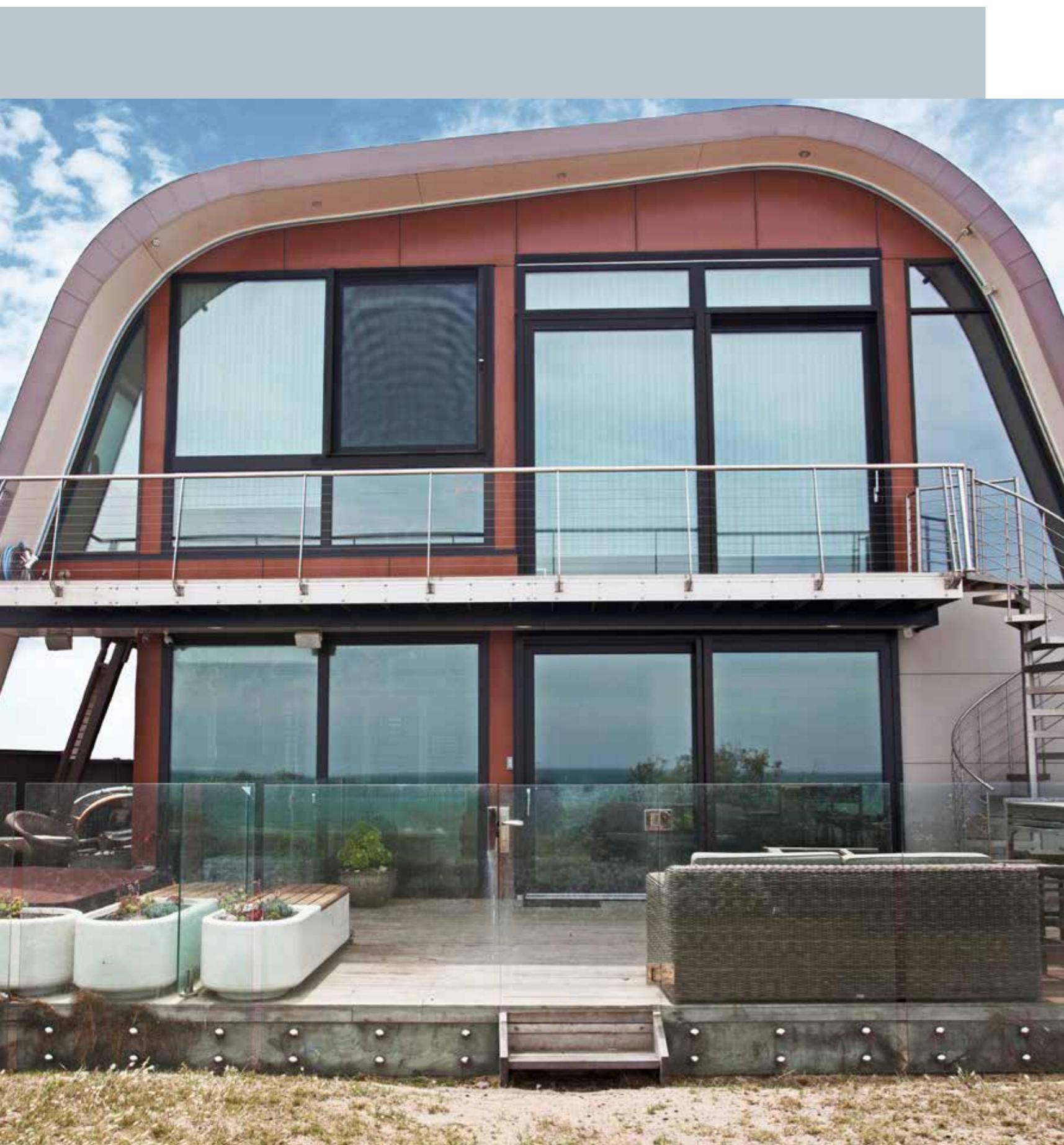
Reduction by 10 dB(A) :
The ear perceives 1/2 of previous noise



Reduction by 30 dB(A) :
The ear perceives 1/8 of previous noise



Reduction by 45 dB(A) :
The ear perceives 1/24 of previous noise



WINDOWS AND DOORS FOR ANY WEATHER

If you are looking for a window and door solutions for use near swimming pools or in marine or ocean environments, we have just what you need. Kömmerling window and door systems are airtight, watertight and windproof to ensure a long service life. They also boast a durable surface finish and excellent performance.

Kömmerling windows and doors also come into their own in buildings located in coastal areas that are exposed to strong wind, heavy rain and salty air. In addition, our solutions have passed several stringent tests designed by official institutions.

That makes our window and door systems perfect for a wide range of applications and geographic locations.



PERFORMANCE VALUES OF WINDOWS MANUFACTURED WITH KÖMMERLING PROFILES

Air Tightness (the quantity of air which passes through a closed window or door)	Classification: AS 2047. Test method: AS 4420.4	Air flows as low as: 0.05/0.11 Pa
Water Tightness	Classification: AS 2047. Test method: AS 4420.5	Up to 1000 Pa
Wind Resistance (relative structural wind load resistance and deflection of the window)	Classification: AS 2047. Test method: AS 4055	SLS: up to N6,C4 ULS: up to N6, C3

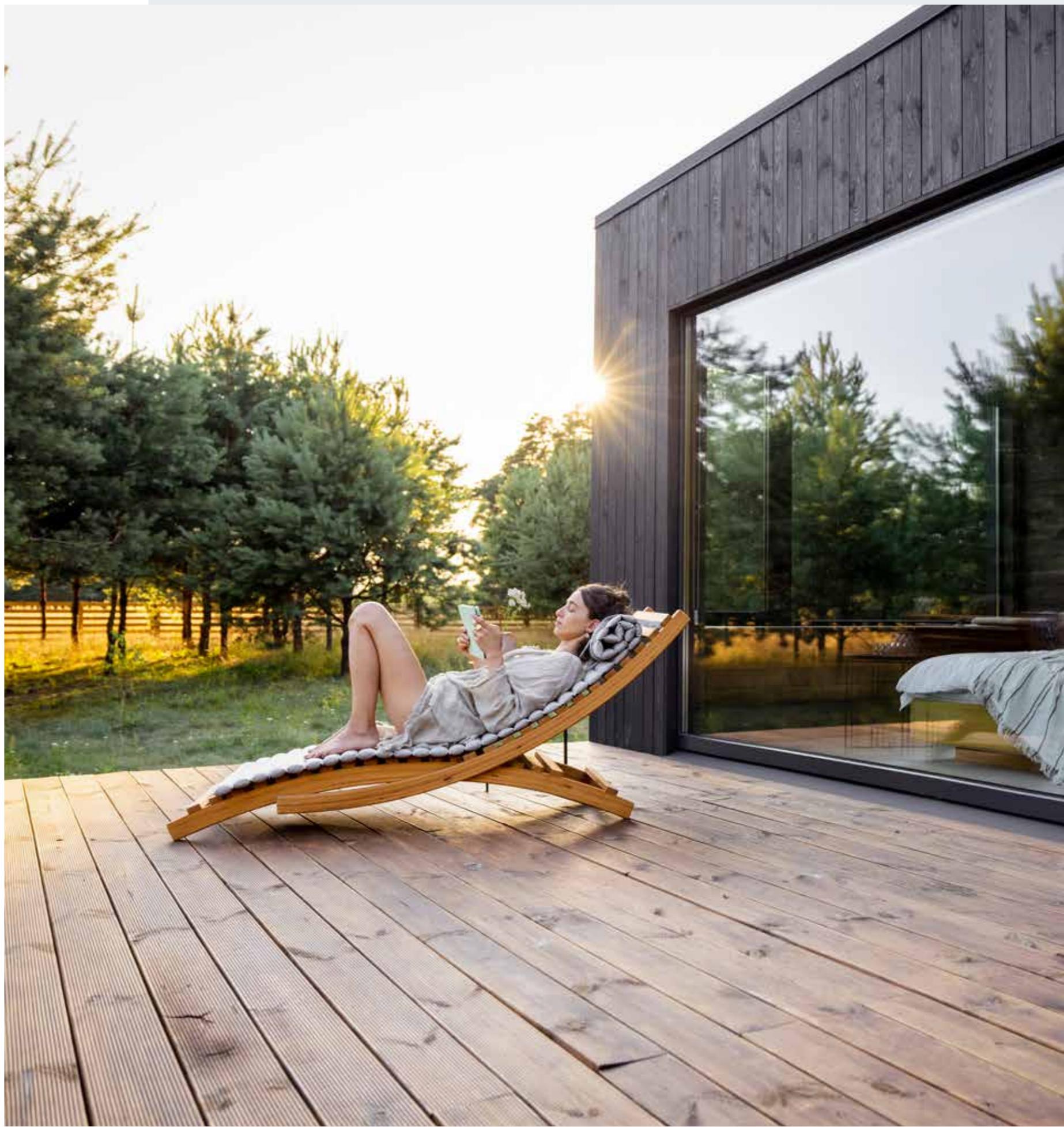
STAY ON THE SAFE SIDE

Window systems for maximum safety

Most home break-ins happen during the day, and the number of burglaries is increasing. That's reason enough to make your house as safe as possible with Kömmerling window systems.

Our windows are designed with maximum security in mind. The sashes and frames have stable, impact-resistant, multi-chamber uPVC profiles with integrated steel reinforcements. This makes life hard for unwelcome guests.

Premium hardware combined with laminated glass provides maximum security while letting in plenty of daylight. Lockable handles guarantee even greater safety and are a good choice for households with small children.

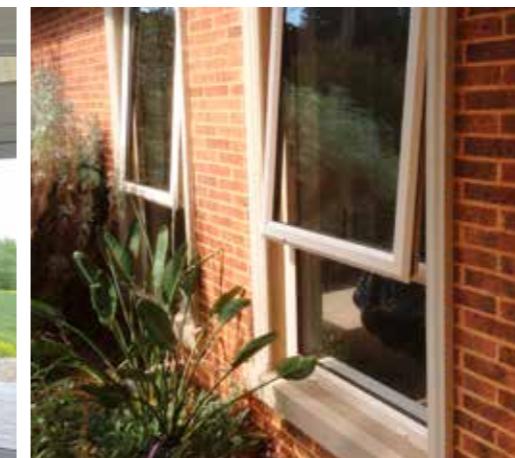


Styles and shapes to suit your taste

THE WINDOW OF YOUR DREAMS

Rectangular or circular, triangular or trapezoid: With Kömmerling systems, you can pick the window shape you like best. This opens up a wide range of design possibilities, whether the window is set in a modern facade or historic building, a spacious room or in a small surrounding such as a roof gable.

You can also choose the type of opening: one sash or more, tilt and turn windows, outward opening or inward opening windows - whatever suits your taste.



DISCOVER A RAINBOW OF COLOURS

Do you prefer the understated look of classic white window frames? Or are you more adventurous? Why not try a different design and give your home an entirely new look? With Kömmerling window and door systems, nothing could be easier. They come in a wide range of colours (both RAL and bespoke colours), finishes and textures.

Do you like a more natural, country style? We also have a selection of woodgrain surfaces that give your windows a "timber look". At the same time they offer all the benefits of high-performance uPVC windows, such as low maintenance and a long lifespan.



CLASSIC WHITE

Elegant, white windows are timeless and suit many different styles. The window profiles have a smooth, glossy surface for lasting beauty and easy maintenance.



PLAIN COLOUR FOILING

Windows with plain colour foiling have a luxurious, velvety finish with a lovely feel. The profiles are extremely durable and easy to clean. You have the option of one colour on both sides or a colour outside and white inside.



WOODGRAIN FOILING

Choose between woodgrain on the outside combined with neutral white on the inside, or woodgrain both inside and outside. The possibilities are endless: You can match your window to the interior of your house, use contrasting colours or design it to blend with the surroundings. In addition, lamination creates a particularly fine finish.



CREATIVE DESIGNS FOR OLD AND NEW BUILDINGS

Whether you are renovating a historic building or designing cutting-edge architecture, Kömmerling window and door systems are the perfect solution. We have a wide range of windows that can be customised to your preferences and/or your architect's imagination.

SUSTAINABLE SOLUTIONS WITH A FEELGOOD FACTOR

At first glance, our window and door systems are stylish, innovative, functional and easy to handle. But there is much more to them than meets the eye: They are also produced sustainably, are energy-efficient and have a long service life.

But what does that mean for you? By choosing Kömmerling solutions, you are contributing to protecting the environment and conserving natural resources. That feels good, doesn't it?



greenline 

For us, sustainability starts at the very beginning, with the choice of raw materials. That is why we no longer use lead to stabilise the uPVC, but an eco-friendly, calcium-zinc-based stabiliser instead.

Thanks to state-of-the-art computer and simulation technologies, we have made our solutions even "greener" by optimising the use of materials, maximising insulating values and increasing their functional reliability. All of this is part of our greenline philosophy that benefits you and the environment.

Choose our window and door systems as your personal contribution to reducing greenhouse emissions.

AT A GLANCE

- Thermal insulation at the passive house level even in the standard design
- Optimised use of materials to save resources
- Eco-friendly, lead-free stabilisers with the greenline label
- A material cycle with intelligent and proper recycling
- Fewer CO₂ emissions

STYLISH ELEGANCE

Kömmerling C70 Gold

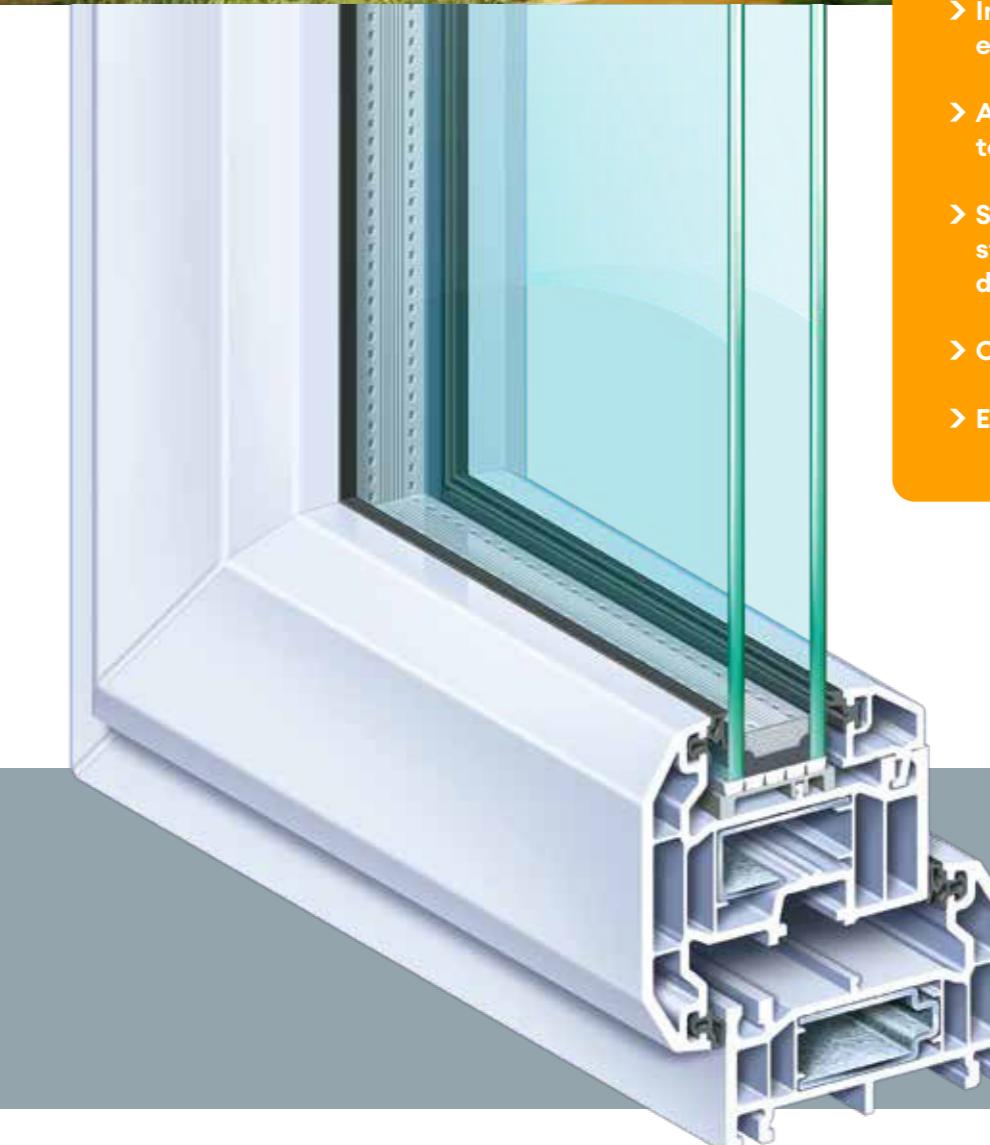
Premium quality, an exquisite design and a remarkably long life. That is what many homeowners are looking for in a window and door solution. Kömmerling C70 Gold systems offer all that and more.

Designed, manufactured and tested to meet the highest standards, our windows and doors are stylish, functional and secure, as well as having a long service life. We offer a wide range of models for endless variety: outward-opening casements, tilt and turn, residential and French doors. These are just some of the solutions you will find in our portfolio.

Our window and door profiles combine a sophisticated look with extraordinary stability. They are manufactured from highly impact-modified uPVC and are steel-reinforced for maximum strength, security and durability. In addition, their slim design gives them an elegant look.

SUPERIOR THERMAL INSULATION

The C70 Gold profile provides outstanding levels of energy efficiency and occupier comfort in accordance with WERS, or ISO/EN 10077 for passive houses.



- Ideal for all kinds of Australian energy-efficient housing designs, including passive houses
- 5-chamber profile for outstanding thermal and sound insulating performance
- Lead-free stabilised material
- Elegant design
- Gaskets with low sightlines
- Internally glazed for security and ease of installation
- Accepts full range of glazing beads to suit 6 – 36 mm glass thickness
- Steel reinforcement for maximum structural strength, security and durability
- Complete range of ancillary profiles
- Easy-care, durable and long-lasting



OPEN UP TO A NEW QUALITY OF LIFE

Kömmerling PremiDoor



Bright, inviting rooms that let in the light and views while keeping out undesirable elements – a perfect combination. With Kömmerling PremiDoor that's what you get. This innovative door system enables large openings onto your garden, patio or terrace for maximum natural light in your living area. It also provides the very best protection from adverse weather conditions.

Excellent design, premium functions

As its name suggests, Kömmerling PremiDoor is a premium door system that combines a lean, timeless look with advanced technical features.

PremiDoor offers many different designs (e.g. multiple sash opening options) and unusual dimensions for endless architectural possibilities. The door system also sets standards in terms of thermal and sound insulation, stability, weather resistance and user comfort. Simply perfect for the home you want to live in.

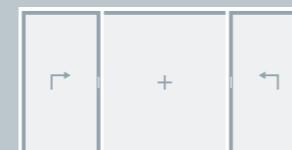
OPENING MODES



two-part element
with lift/sliding sash
and fixed glazing



two-part element with
two lift/sliding sashes



three-part element
with two lift/sliding
sashes and fixed glazing



three-part element with
lift/sliding sash and two
fixed panes



four-part element with
four lift/sliding sashes



four-part element with
four lift/sliding sashes



COMFORTABLE IN EVERY WAY

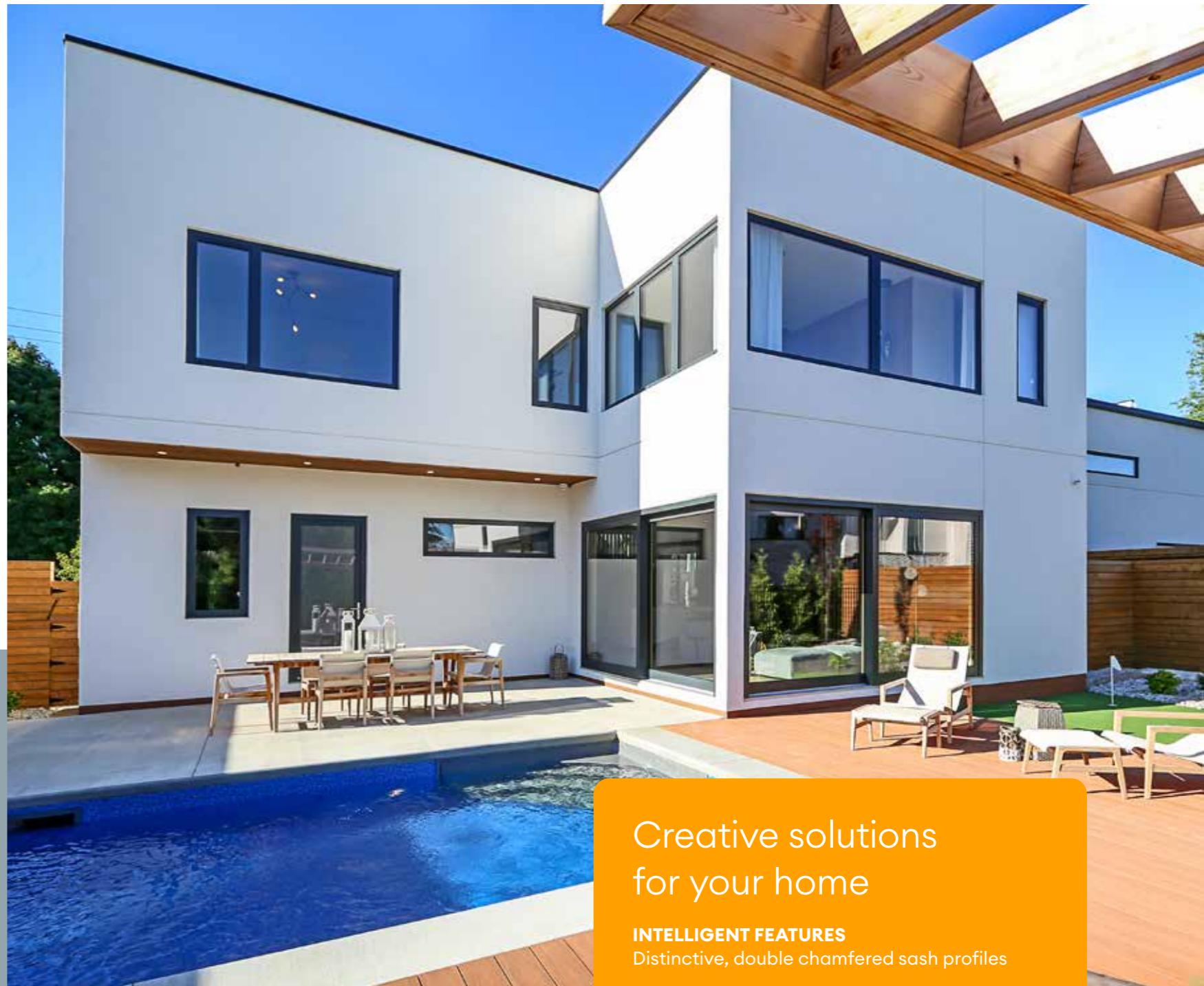
Kömmerling PremiLine

Kömmerling PremiLine sliding doors offer all the comfort you need. Their precision fit makes them extremely quiet and easy to use. The sliding elements run smoothly and silently on high-quality profiles and metal tracks, even with large panes of glass. Thanks to excellent static properties and an overall clever design, Kömmerling PremiLine also provides an outstanding level of security and a particularly long service life.



Tracks of high quality metal for maximum service life

Thanks to rollers of special rigid PVC, the system promises exceptional quiet running and ease of operation



Creative solutions for your home

INTELLIGENT FEATURES

Distinctive, double chamfered sash profiles

TRANSPARENCY MADE TO MEASURE

A choice of glazing types with insulated glass unit combinations up to 28 mm thick

A WIDE RANGE OF DESIGNS

Kömmerling PremiLine is available in white as well as in laminated designs. You can choose between wood grain and plain colour on the outside with neutral white on the inside, or wood grain on the outside and inside.

#KömmerlingForTomorrow

profine GmbH
Kömmerling

www.koemmerling.com.au

