



**KÖMMERLING 88
PREMIUM
CENTRE SEAL SYSTEM**

ALWAYS WITH THE FUTURE IN MIND.

THE FUTURE IS IN SUSTAINABILITY.

KÖMMERLING – THE VISIONARY BRAND.

Even in 1897, when Karl Kömmerring 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 Kömmerring 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 Kömmerring. The company started with adhesives and synthetic rubber and then moved on to high-quality PVC-U and other innovative materials.

Kömmerring produced its first PVC-U roller shutters in 1957 and began manufacturing high-quality PVC-U window profiles ten years later. The rise of the Kömmerring 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. The best example of this is our Kömmerring 88 window and residential door system. It stands for not only quality and comfortable living, but also climate protection, longevity and sustainability.



1897

Karl Kömmerring founds the company



1902

Start of adhesive production



1952

Start of PVC-U production



1957

Start of profile extrusion with PVC-U roller shutters



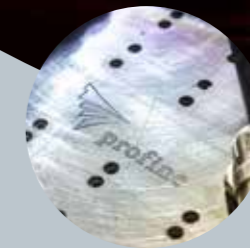
1967

Manufacture of PVC-U 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





ENJOY A BEAUTIFUL – AND SUSTAINABLE – HOME

IT ALL STARTS IN YOUR
HOME.

Everything is in flux. The world is becoming more and more digital, houses are getting smarter and the issues that we are addressing are increasingly complex. But what that we are all looking for in a home is very straightforward – security and protection. And, not forgetting, the all-round good feeling of being at home.

This is precisely the reason why our engineers develop innovative windows and doors – in particular, Kömmerling 88, the premium centre seal system. It combines energy efficiency with a feel-good climate, quality with longevity, and interior design with prospects for the future.

LARGE WINDOWS – THE SECRET TO YOUR ROOM ATMOSPHERE.

MODERN. BRIGHT. FLOODED WITH LIGHT.

Well-lit spaces put people in a good mood. This is because brightness has a positive effect on the mind and just makes you feel good. This is why rooms in which we feel especially good are typically characterised by particularly large window areas – which create a friendly and pleasant atmosphere.

However, large glazed areas have very high demands, for instance, in relation to static stability and thermal insulation. After all, windows are energy weak spots – unless they have been designed to meet all of these challenges with flying colours.

Kömmerling 88 is made of technologically sophisticated window profiles and ultra-modern functional glazing. This enables us to produce a premium window and residential door system with maximum stability and best insulating properties. For rooms flooded with light – and the best prospects for the future.

AT A GLANCE

- > Premium centre seal system
- > For windows and residential doors with a construction depth of 88 mm
- > High-insulation seven-chamber design with centre seal
- > Elegant design of straight lines
- > For ultra-modern triple glazing or functional glazing with thickness up to 58 mm



BUILDING MEANS FOCUSING ON THE FUTURE.

WITH WINDOWS AND
DOORS THAT ARE –
AND WILL REMAIN –
INNOVATIVE.

Construction projects require decisions to constantly be made on the basis of current information – but always with a focus on the future.

With Kömmerling 88, you are choosing a window and door system with integrated future-proofing. It already meets the requirements of tomorrow and, as a result, is far ahead of comparable systems.

With respect to energy efficiency and other specifications, or longevity thanks to its excellent quality – Kömmerling 88 is definitely ready for the future. Are you?





MAKING SAVING ENERGY A BREEZE.

WITH THERMAL INSULATION AT
THE PASSIVE HOUSE LEVEL.

The distinguishing characteristics of a passive house are precisely defined. The key criterion is that the annual heating demand must not exceed 15 kilowatt-hours per square metre of living space. This is only possible with optimal thermal insulation and energy-efficient functional glazing.

That's no problem for Kömmerling 88 – this window and door system is already passive house compatible in the standard design. What's more, it is also available in even higher insulating variants – such as for zero-energy or plus-energy houses. This makes saving energy a matter of course.

AT A GLANCE

- Passive house compatible according to ift guideline WA-15/2
- Excellent thermal insulation values:
U_f value = 0.95 W/(m²K)
U_w value up to 0.72 W/(m²K)
- Wide range of glazing variants with thickness of up to 58 mm
- For the use of triple glazing or special functional glazing
- Laminated in woodgrains, plain colours and metallic colours or classic white



ENERGY EFFICIENCY IS LIKE FORMULA ONE:

EVEN JUST A TENTH MAKES A WORLD OF DIFFERENCE.

Thermal insulation not only places particular challenges on glazing, but also on frames. The U_f value indicates how much (or how little) heat is lost through a window frame. Accordingly, the smaller the U_f value, the better. Even just a few tenths or hundredths less will result in huge energy savings over the course of a year!

Kömmerling 88 stands out with its U_f values at the passive house level (or even better). And what makes it special is that the values for large window sashes and window areas are also at this level! The key difference is in the structure. The load-bearing steel reinforcement does not need to be reduced to the benefit of heat-insulating materials. This is a real advantage compared to other systems.



STANDARD INSULATION

Whether in white or colour, these windows already attain passive house suitability in the standard design. What's more, they have steel reinforcements for maximum sash sizes.

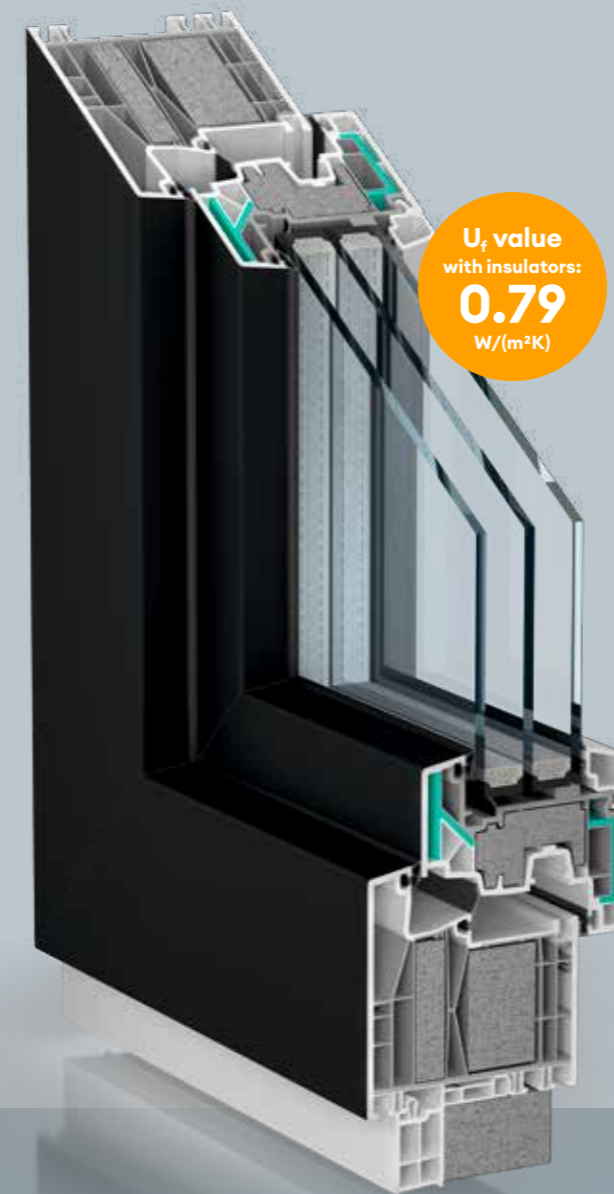


WITH ADDITIONAL INSULATORS

The additional insulators enable even higher thermal insulation values to be achieved.

DELIBERATELY WITHOUT STEEL: KÖMMERLING proStratoTec

IMPROVED THERMAL INSULATION THANKS TO FIBREGLASS-REINFORCED PLASTIC.



Is it impossible to make PVC windows without steel reinforcements? While that was once the case, Kömmerling's proStratoTec technology simply replaces steel with fibreglass-reinforced plastic, which ensures a high degree of dimensional stability and rigidity.

Not using steel reinforcement has several advantages. It reduces the weight of the sash and, above all, hugely improves the thermal insulation value. In addition, the material can be recycled without any problems. In other words, it offers sustainability on all counts!

AT A GLANCE

- > **PASSIVE HOUSE WINDOWS NOW AVAILABLE IN COLOUR**
Passive house certification in accordance with the Dr Feist Passive House Institute
- > **WEIGHT REDUCTION**
Weights approx. 25% less compared to sashes with steel
- > **THERMAL INSULATION VALUE $U_f = 0.79 \text{ W/(m}^2\text{K)}$**
Improved insulating value as no steel is used
- > **STANDARDISED MANUFACTURE**
No additional steps required
- > **SUSTAINABILITY**
Intelligent recycling process and all of the materials are reused

SUPERIOR THERMAL INSULATION

The sash equipped with proStratoTec is available in the Kömmerling 88 double and centre seal systems. This means that it is also possible to make colour passive house windows that are certified in accordance with Dr. Feist.

INNOVATIVE. INDIVIDUAL. INTELLIGENT.

KÖMMERLING 88 – DEVELOPED FOR YOU.

Quality, longevity, sustainability and energy efficiency are the highest priorities when we develop our window and door systems. The fact that our engineers use state-of-the-art technologies and always have the future in mind pays off for you in many ways.

A particular advantage is that Kömmerling 88 has been designed as a universal set of modular system components. Simply create your dream windows according to your individual requirements and budget. From the design to the insulating properties – the choice is yours.

Your company specialising in window manufacture can also benefit from this perfected system. For example, intelligent fastening technologies ensure clean and safe installation. This includes suitable connections and profiles for inner and outer window sills. We really have thought of everything.





AS YOU CAN HEAR, YOU CAN'T HEAR ANYTHING.

KÖMMERLING 88 OFFERS PERFECT
SOUND INSULATION.

Whether you live by a busy road or in the countryside with roosters crowing at the crack of dawn, you won't be disturbed by noise or any other disruptive sounds thanks to Kömmerling 88 and its excellent sound insulation.

The fact that you can enjoy such heavenly calmness can be attributed to three factors. Firstly, the profile, in which we use seven-chamber technology with a large reinforcing chamber. Secondly, the sound insulation glazing. And finally, its professional installation.

AT A GLANCE

- > Possible application of sound-insulating panes up to 58 mm thick that satisfy the requirements
- > For the highest sound insulation requirements

FOR EVERYONE THAT WANTS TO BE ON THE SAFE SIDE.

BURGLARY PROTECTION WITH
KÖMMERLING 88.

The statistics don't lie. It is a fact that the number of forced entries is rising dramatically. But that doesn't mean that you are also at increased risk. Simply increase your burglary protection! With Kömmerling 88, that's no problem. The system has been designed so that it can easily be equipped with burglar-resistant hardware – which leaves you feeling safer already.

AT A GLANCE

- > For windows up to resistance class RC 3 (MC 3)
- > Designed for burglar-resistant hardware





OUR PREMIUM WINDOW SYSTEM FOR THE FUTURE KÖMMERLING 88: THE BENEFITS



Improved designs

The slender profiles of straight lines give the system a modern look. Individual variety is also ensured by the wide colour range in plain or metallic colours and with woodgrains and aluminium cladding.



Improved lasting value

The high quality of all of the components and the use of top-quality, environmentally friendly PVC-U according to greenline principles provide the basis for durable solutions. This increases the value of your property in the long term.



Improved thermal insulation

Even in the standard version, Kömmerring 88 offers thermal insulation at the passive house level. Even higher insulating variants are also available. A major advantage is also the installation depth of 88 mm. We therefore particularly recommend using Kömmerring 88 for new buildings and architecturally sophisticated and energy-efficient buildings.



Improved stability

High-quality steel reinforcements provide perfect window statics. In the AluClip Pro design, this is ensured by the aluminium functional profile, which also reduces the weight.



Improved weather tightness

Three sealing layers and the innovative sash rebate seal ward off draughts, dust and rain. They also optimise the thermal insulation.



Improved sound insulation

Combined with high-quality sound-insulating panes of up to 58 mm in thickness, the Kömmerring 88 system offers excellent noise protection.



Improved security

The window profiles can be reinforced with security hardware and additional burglar-resistant measures without any problems.



Improved ventilation

A sophisticated ventilation program ensures a cosy living climate.



Improved flexibility

Kömmerring 88 is a flexible end-to-end system for windows and doors. Thanks to its modular system and efficient upgrade technologies, it can be adapted to your individual requirements without any problems.



Improved handling ease

The innovative fittings technology makes opening and closing the window solutions effortless. Concealed fittings are also possible on request to meet the highest requirements of aesthetics.



88 mm installation depth

Ideal for new buildings and also for architecturally sophisticated and energy-efficient buildings.



Improved easy care

The surfaces of the window frames are extremely weather-resistant and easy to clean.

IMPRESSIVE EVEN AT SECOND GLANCE.

HIGH-TECH ON THE INSIDE.

It is not possible to tell which technologies are in a window just by looking at it. It takes a closer inspection – almost into the window profile. With its developments, Kömmerling 88 represents the very best of window technology. For instance, the innovative multi-chamber design, three sealing layers and optimised stability are just a few impressive examples of the innovations brought together in the new system.

1 RELIABLE FUNCTIONALITY

Elements such as full-storey window walls and sash doors of up to 2.5 m in height place the highest demands on functional reliability. Kömmerling 88 easily meets these thanks to its steel reinforcements of maximum dimensions.

2 GROUNDBREAKING CHAMBER CONSTRUCTION

The chambers in the profiles have been developed using the very latest computational methods. The result is high thermal and sound insulation, as well as optimal profile stability.

3 WIDE RANGE OF GLAZING VARIANTS

The deep glazing rebate enables the use of triple glazing, special functional glazing and spandrel panels of up to 58 mm in thickness.

4 HIGH WEATHER TIGHTNESS

Kömmerling 88 ensures high protection against driving rain, optimal windproof properties and excellent sound insulation. This is thanks to the three sealing layers – with a centrally positioned centre seal – and the innovative sash rebate seal.

5 FLEXIBLE, CLEAN INSTALLATION

Windows from the Kömmerling 88 series can be installed with steel dowl pins. Meanwhile, for plastic, they can be secured using traditional fixing brackets or a special dowel chamber (using patent-pending dowel adapters). Installation is quick, clean and safe.

6 SAFE HARDWARE INSTALLATION

The load-bearing hardware is screwed in place using multiple profile walls and additional thicknesses. Special screw union lobes in the main load zones are used to do this.

i FURTHER OPTIMISED INSULATION

The thermal insulation, which already attains the passive house level in the standard version, can be increased further still. To do this, additional insulators are inserted. The static properties of the large sashes and glazed areas remain unchanged by this.





NOT JUST WINDOWS, BUT ALSO DOORS.

KÖMMERLING 88 – THE END-TO-END SYSTEM.

In addition to windows, Kömmerling 88 also offers doors. Or, to be more precise, it supplies residential doors, side entrance doors, balcony doors, terrace doors and parallel sliding-tilting doors. In other words, everything comes from a single source – the look and technology are a perfect match.

As a design element, our residential doors leave plenty of room for your individual taste. Choose between a wide range of surfaces, colours, design and functional glazing, prefabricated panels and additions!

While the Kömmerling 88 residential doors give your guests a friendly welcome, the optimal burglary protection ensures that this is not extended to any uninvited visitors. Residential doors not only lend your home character, they are also a crucial safety factor.

A GOOD CHOICE – FOR MANY REASONS.

THE KÖMMERLING 88 RESIDENTIAL DOOR SYSTEM.

At first glance, the Kömmerling 88 residential door systems boast great visual appeal. And, at second glance, they offer many technological highlights with great benefits. For example, they provide a high level of security, outstanding thermal insulation, excellent weather tightness and extremely stable statics. As you can see, everything speaks in favour of a Kömmerling 88 door.

1 ATTRACTIVE LOOK

The Kömmerling 88 residential door system impresses with its offset design of straight lines with perfect profile proportions.

2 PERFECT MULTI-CHAMBER DESIGN

The profile geometries have been designed according to the state-of-the-art computational methods with optimal isothermal properties. This results in high thermal insulation values and sound insulation factors, as well as optimal profile stability.

3 RELIABLE FUNCTIONALITY

The steel reinforcements and welded corner connectors have been designed with maximum dimensions. They therefore ensure functional reliability and high statics.

4 HIGH WEATHER TIGHTNESS

The double sealing results in a barrier-free residential door threshold with a thermal break.

5 WIDE RANGE OF GLAZING VARIANTS

The deep glazing rebate enables the use of triple glazing, special functional glazing and residential door panelling of up to 58 mm in thickness.

6 FOR EXTREME INSTALLATION CONDITIONS

An aluminium weather bar and a rebate pad set offer additional protection against driving rain.

7 PROFESSIONAL CONNECTION

The threshold connector ensures an accurate fit and sealing for the residential door threshold.

i FLEXIBILITY

Irrespective of whether it is inward or outward opening, the residential door system is also available with the option of aluminium cladding.



ALUMINIUM AND PVC-U: A PERFECT CONNECTION.

Imagine having a material as elegant as aluminium – but with the high thermal and sound insulation of PVC-U – wouldn't it be perfect? And, in fact, it is! Kömmerling 88 combines the advantages of these two materials – and even offers three variants. Our pioneering material combinations are AluClip, AluClip Pro and AddOn. The choice is yours.



AluClip

This aluminium cladding combines the aesthetic design of aluminium with the optimal insulating values of the Kömmerling 88 PVC-U profile system – and also a virtually unlimited range of colours.



AluClip Pro

Inside the sash profile, the AluClip Pro aluminium functional cover ensures optimal stability. It replaces the usually needed steel reinforcement and takes on its static function. A positive side effect is that this further improves the thermal insulation.



AddOn

The AddOn aluminium compound sash impresses with its modern design and optionally integrated shutter system and sunshade. This not only provides greater integrated comfort, the additional glass pane also improves the thermal and sound insulation.

AS INDIVIDUAL AS YOUR TASTE.

SHAPES. COLOURS. LAMINATES.

Colours, shapes and textures – these are the variables that make the Kömmerling 88 design options so multifaceted. Whether modern or classic, white or multicoloured, you have a huge range of choices. Discover our wide range of fascinating surfaces and create your home's character.

Draw inspiration from our entire laminate programme. You have a choice between woodgrain, plain colours or metallic colours on the outside – with neutral white on the inside – or laminated on both sides.



CLASSIC WHITE



PLAIN COLOURS



WOODGRAIN



METALLIC



TAKE A DEEP BREATH. AND EXHALE.

FEEL-GOOD WINDOWS WITH A FRESH AIR GUARANTEE.

Buildings with high thermal insulation reduce energy consumption and protect the environment. This is also true of windows. But only for as long as they remain closed – otherwise precious heat is lost. However, you also need to have ventilation to keep air humidity in balance and to prevent mould from forming. How do you solve this dilemma?

Don't panic, Kömmerling 88 offers an intelligent solution to this problem – a fully automated, integrated ventilation system. The mechanism lies in the outer frame rebate, where it is hardly visible but all the more effective as a result. It ensures a controlled supply of fresh air and means that there is no need for manual ventilation or a power source.

In addition, Kömmerling ventilation systems have automatic wind pressure regulation. Needless to say, they comply with all of the requirements of the German Energy Savings Act (EnEV), as well as the DIN and EU standards for tightness against driving rain, sound insulation and domestic ventilation. All the more reason to breathe a sigh of relief!



AT A GLANCE

- > Intelligent, self-regulating ventilation system without a power source
- > Minimises high air humidity and the risk of mould
- > Promotes the controlled supply of fresh air
- > Guards against insects thanks to ventilation grilles
- > Complies with the German Energy Savings Act (EnEV)
- > Tightness against driving rain and passage of air as per DIN and EU standards
- > Ventilation as per DIN 1946-6

SAY YES TO THE CLIMATE, SUSTAINABILITY AND A FEEL-GOOD ATMOSPHERE.

KÖMMERLING 88 – THE WINDOW SYSTEM OF THE FUTURE.

Your decision to purchase a Kömmerling 88 system is a responsible choice with foresight. Our window and door system is the top choice not just with respect to quality and design, but also for environmental considerations. The crucial factors are sustainable production, energy efficiency and longevity.

With Kömmerling 88, you are making a valuable contribution to environmental protection and the conservation of natural resources. At the same time, you are increasing the value of your property. And, last but not least, Kömmerling 88 offers your family an atmosphere of security and protection – exactly what makes for a wonderful home.

greenline 

We already set new standards when it comes to raw material selection. For example, we systematically no longer use lead to stabilise the PVC-U. Instead, we use an eco-friendly stabiliser on a calcium-zinc base.

Innovative computer and simulation technologies are used to design Kömmerling 88. This enables us to achieve multiple green objectives, such as the optimal use of materials, the highest insulating values and reliable functionality.

AT A GLANCE

- Thermal insulation at the passive house level in the standard design
- Optimised use of materials, which therefore saves resources
- Eco-friendly, lead-free stabilisers with the greenline label
- A material cycle with proper recycling
- By choosing Kömmerling 88, you are making your own personal contribution to reducing CO₂ emissions

#KömmerlingForTomorrow

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