



Kömmerling®

TODAY FOR TOMORROW



WELCOME HOME

Kömmerling Unity

ENJOY A GLIMPSE INTO A SUSTAINABLE FUTURE

If houses could tell stories, they would be as exciting as a thriller, as passionate as a romance novel and as imaginative as a children's book. Older buildings would provide material for journeys back in time, while new ones would inspire adventures in the distant future.

Let's work together to write the next chapter of your home's story. It should be about a fulfilled life, laughter and community, hopes, dreams and responsibility. And values which are more important than ever – above all, sustainability.

You play the leading role in this story. It's about your – and future generations' – quality of life. Our contribution is a window, door and lift/sliding door system that offers impressive longevity, quality and sustainability – Kömmerling Unity.





Discover the full range of Kömmerling 76 Unity. The tilt and turn product range extends from windows to patio doors, balcony doors to fixed glazing. These elements are perfect both for renovations and new buildings. Our solutions enable you to save energy and improve the living climate, while also underscoring your home's architectural concept and being designed for longevity.

Typical of Kömmerling 76 Unity's modern look is its cubic design with square glazing beads and its exceptionally narrow profile sight lines. This results in a simple elegance, creates rooms that are particularly flooded with light and allows for thermal gains due to high levels of solar irradiation in winter.

FOR EVERYONE WHO LOVES DESIGN AS MUCH AS QUALITY

When it comes to your home, are you unwilling to compromise? Neither with respect to design, product quality or thermal insulation – and therefore sustainability? Then Kömmerling Unity is perfect for you.

Kömmerling Unity is an innovative hybrid system in which PVC-U and aluminium always form a direct non-positive connection. This is what makes Kömmerling Unity so innovative – it's the first time that these two materials have been successfully combined without tension, thereby allowing you to benefit from their respective advantages.

The integrated product range includes the Kömmerling 76 Unity window and door system and the Kömmerling PremiDoor 76 Unity lift/sliding door system.

On the outdoor side, the system boasts an elegant aluminium frame, which is available without joints or seams upon request. What you can't see, but can feel all the more clearly is the Kömmerling 76 PVC-U system with centre seal, which acts as the highly insulating base.

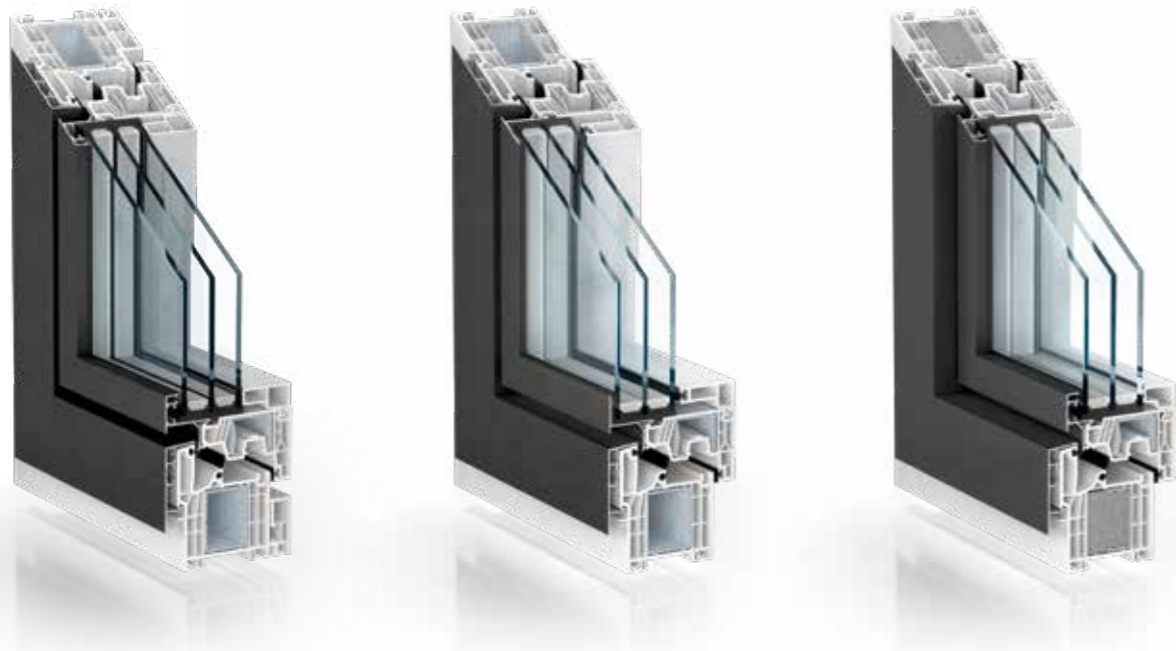
- > Fixed combination of plastic and aluminium
- > 100 mm narrow profile sight lines
- > Triple glazing with a thickness of 36 to 58 mm (standard: 48 mm)
- > Excellent thermal and sound insulation
- > Excellent stability and statics
- > Virtually unlimited colour range



QUALITY IN A SYSTEM AND FOR THE FUTURE

Advanced technology. Innovative highlights. The highest quality level.

It sounds like a perfect combination – and it is. And so is Kömmerling 76 Unity, our groundbreaking window system. This solution impresses with its design, stability and longevity. What's more, it is carefully considered down to the last detail. For example, its multi-chamber design with three sealing levels ensures excellent insulating properties. This not only enables you to minimise your environmental footprint, but also to maximise the feel-good climate. Feels good, doesn't it?



PERFECTLY SHAPED

Flush-mounted and balanced to perfection – this variant's outdoor and indoor window sashes and frames are on a single plane. This results in a cubic design with clear and elegant lines.

HARMONIOUS

On this variant, the wheel is firmly bonded to the sash all around. You have the choice between two designs. While the first is completely flush-mounted, the second option's sash, frame and wheel are flush-mounted outdoors and semi-offset indoors.

CLEVER SOLUTION

The sash on the outdoor side is offset slightly behind the frame on the semi-offset variant. On the inside, the sash is in front of the frame. Or you could opt for a flush-mounted version, which is a clever choice because it achieves an excellent U_i value of $1.0 \text{ W}/(\text{m}^2\text{K})$ thanks to the insulating wedge inserted in the frame.

AT A GLANCE



Improved design

The outdoor and indoor profiles can either be semi-offset or flush. On the flush-mounted version, the profiles are on a single plane. This creates a purist, cubic design – an effect which is further underlined by the square design glazing beads.



Improved stability

The PVC-U and the aluminium frame are fixed together firmly, the glass edges can be additionally glued. This makes the design extremely stable and allows for a wide range of design options. Even windows with large-scale glass elements can be created effortlessly.



Improved climate protection

High-insulation PVC-U profiles ensure excellent thermal insulation. Even in its standard design, Kömmerling 76 Unity already achieves an outstanding U_i value of up to $1.0 \text{ W}/(\text{m}^2\text{K})$.



Improved security

The non-positive connection between the PVC-U and aluminium frames provides reliable protection against burglaries. In addition, you can further secure windows and doors with burglar-resistant hardware and solutions.



Improved easy care

Both the aluminium frame and the internal plastic profile are very easy to clean. Aluminium can also withstand wind and weather. Therefore, the exterior aluminium remains permanently beautiful as on the first day.



Improved aesthetics

The seamless aesthetics are also not interrupted by technically necessary aspects. The drainage, for example, is concealed in the Kömmerling 76 Unity and therefore does not require any penetration of the aluminium frame.



More functionality

All components of Kömmerling 76 Unity are designed for high loads and reinforced at particularly stressed points. This also ensures a high durability of all functions during daily use.



Improved feel-good climate

The Kömmerling 76 Unity window series can be combined with different ventilation systems to create a pleasant indoor climate. Even with ventilation, a seamless aesthetic of the aluminium frame is maintained.



Improved sustainability

The excellent thermal insulation properties ensure a reduced CO_2 footprint.

COMFORT WITH A BARRIER-FREE THRESHOLD

Kömmerling PremiPlan Plus

In addition to window solutions, Kömmerling 76 Unity also offers high-quality patio and balcony doors. The result is a uniform system for the whole house, whether indoors or outdoors. Security has also been thought of: all windows and doors can be equipped with burglar protection, which puts us all at ease.

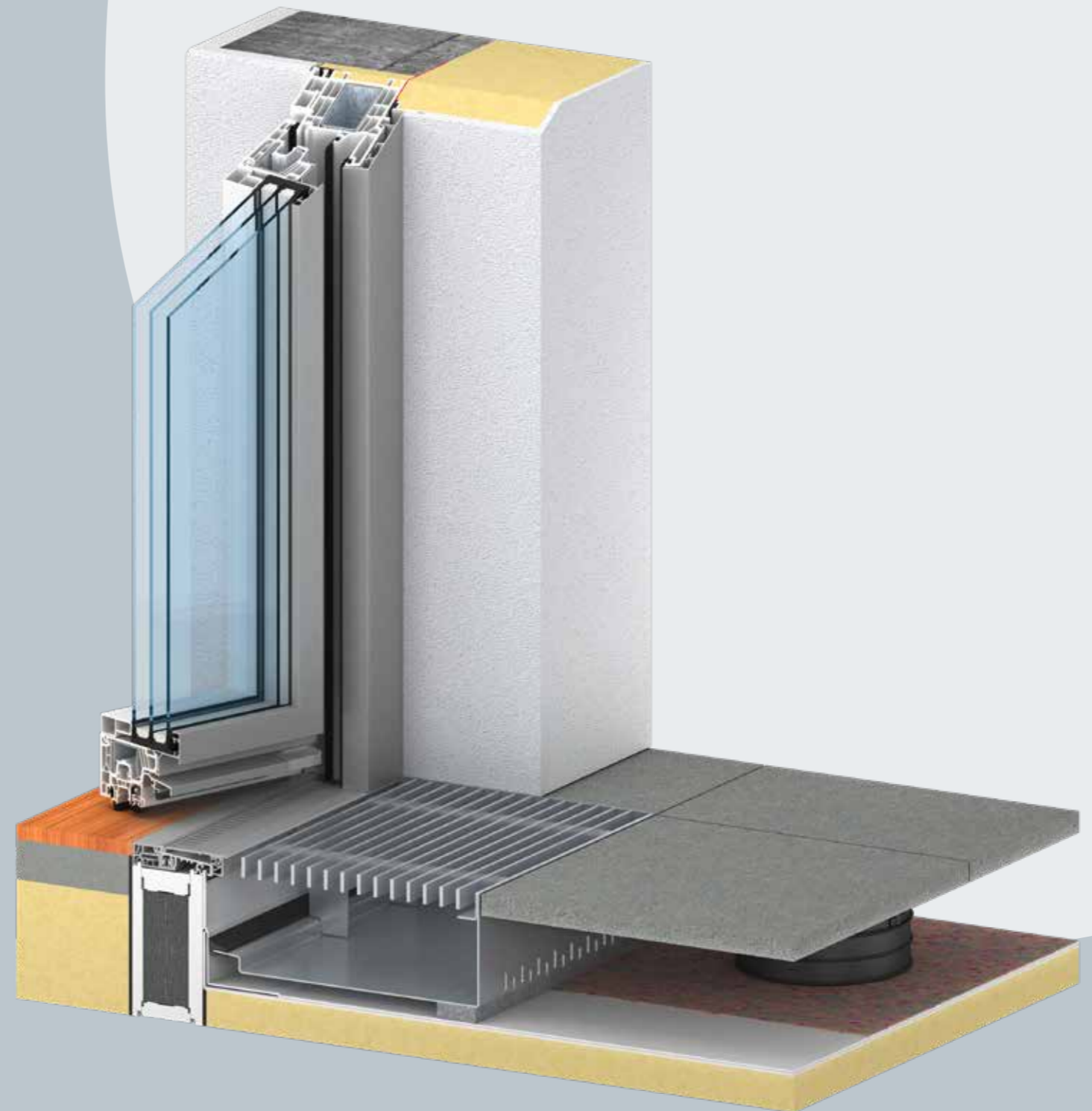
We can make welcoming inviting patio and balcony doors a reality for young and old alike. This is because our innovative, barrier-free, zero threshold Kömmerling PremiPlan Plus can be installed at ground level to zero millimetre indoors and outdoors. As a result, PremiPlan Plus offers new possibilities for comfort to older people and people with disabilities.

Despite the barrier-free access, bad weather is kept outside. Specially coated flexible waterproofing sheets and water channels ensure that no moisture enters rooms when it is raining, with the water being safely diverted away.

- > **Patio and balcony doors**
- > **Barrier-free threshold with Kömmerling PremiPlan Plus**
- > **High level of tightness thanks to double sealing for thresholds**
- > **Perfect protection against driving rain and wind**
- > **High level of burglary protection**
- > **Excellent thermal insulation**

USEFUL FOR PLANNING:

The barrier-free zero threshold Kömmerling PremiPlan Plus works in perfect harmony with the doors of the Kömmerling 76 Unity hybrid system.



MAKE YOUR VISIONS A REALITY

Kömmerling PremiDoor 76 Unity

Lift/sliding door solutions that catch your eye, rooms flooded with light that put people in a good mood and a sight that inspires adventures – Kömmerling PremiDoor 76 Unity is all this and much more besides. The innovative lift/sliding door system boasts a high level of handling ease and comfortable living, a straightforward design and intelligent technology – for today, tomorrow and beyond.

CAREFULLY CONSIDERED DOWN TO THE LAST DETAIL

Measuring up to 6 metres in width and 2.60 metres in height, the elements are a breathtaking sight. In addition, the lift/sliding door system can be seamlessly integrated into the entire Kömmerling Unity programme with its cubic design. Finally, the Kömmerling PremiDoor 76 Unity is flexible and ideal for both new buildings and renovations.



AT A GLANCE



Improved stability

The Kömmerling PremiDoor 76 Unity frame is extremely durable thanks to the non-positive connection between the PVC-U profile system and the aluminium frame.



Improved elegance

The flush design on the outside together with seamless, continuous aluminium frames without joints or a V-groove provide an elegant look.



Improved design options

Almost any colour is possible for the aluminium frames on the outdoor side. For the PVC-U profiles for inside rooms, you can choose between classic PVC white, laminated in woodgrain, plain colour and metal effect.



Improved security

Kömmerling PremiDoor 76 can be conveniently equipped with security hardware and other burglar-resistant elements up to resistance class RC 2 (MC 2).



Improved weather resistance

The seamless aluminium frame boasts weather resistance and colour retention, which ensure a long service life.



Improved incoming light

Narrow profiles with just 100 mm of visible sight line allow a lot of space for light and give an elegantly simple look. Kömmerling PremiDoor 76 Unity is available in a wide range of dimensions, up to 6 metres width x 2.60 metres height and a construction depth of 76 mm.



Improved climate protection

When manufacturing all of our products, we take care to ensure that they are of high quality and have a long service life. Our solutions' excellent thermal insulation means that resources are conserved, which is a real plus for occupants – and the environment.



Improved thermal insulation

Thanks to their five-chamber design and centre seal, the doors have an excellent U_i value of 1.5 W/(m²K).



Improved range of glass

Glazing and special functional glazing are also possible up to max. 58 mm.



Improved handling ease

The refined lift/roll mechanism is user-friendly to open and close, with no need for effort and strain.



QUALITY WITH A FEEL-GOOD FACTOR

Eye-catching glass facades, large-scale window areas and perfected door solutions breathe new life into any room. If, on top of that, these elements are also particularly elegant, stable, robust and thermally insulating, they will have a bright future ahead of them.

This is because architects can come up with more creative plans, occupants can enjoy them for a long time and the carbon footprint is reduced.

Or to put it another way: Kömmerling Unity – the window, door and lift/sliding door system – makes wishes come true and creates stories. For a sight that even your grandchildren could be raving about.

#KömmerlingForTomorrow

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