



# KÖMMERLING 76 Unity.

The new generation.



**KÖMMERLING®**



KÖMMERLING 76 Unity.

## A NEW WAY OF COMBINING ELEMENTS

You love sharing posts with your friends around the world on social media. But you also enjoy it when all of those unforgettable summer evenings come together on your patio.

While you like sophisticated recipes served with style, you also appreciate a simple bowl of yoghurt with fruit. You have a state-of-the-art notebook but prefer to write your personal thoughts by hand.

The opposites in your life are not incompatible but rather attract and complete each other perfectly. You are excited by architecture when a pure Bauhaus style meets flowing shapes.

We have developed our new window system just for people like you. It is a system which combines everything perfectly, like in the rest of your life: KÖMMERLING 76 Unity.



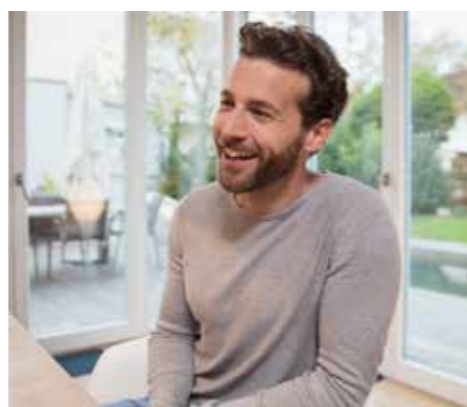


The outside of the system stands out thanks to its elegant aluminium frame which can be made such the joint and seam are hidden. It is pure design in action. Underneath is the KÖMMERLING 76 plastic profile system with centre seal (CS), which acts as the highly insulating base. This therefore provides you with one of the best window systems in its category.

**KÖMMERLING 76 Unity.**

## The perfect combination of design, stability and thermal insulation.

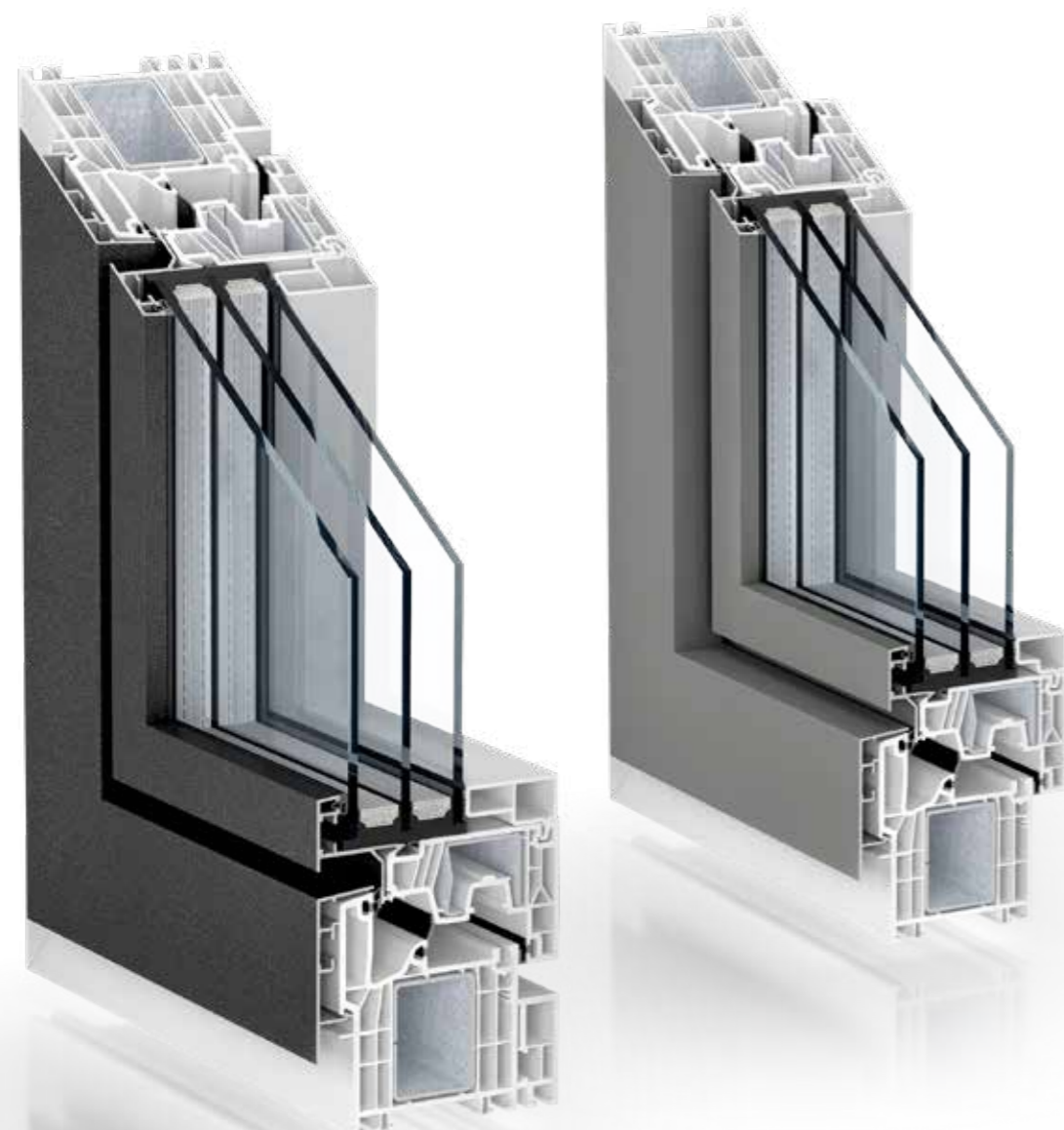
KÖMMERLING 76 Unity is an innovative system in which a direct non-positive connection is formed between plastic and aluminium. It is the first time that these two materials have been combined without tension, thereby giving you all the specific advantages in a single solution.



With KÖMMERLING 76 Unity, you can design your tilt/turn windows, ground-level windows, terrace doors, balcony doors, fixed panes and much more besides. It is the single solution for your whole home and underlines your architectural concept. This system is suitable both for renovations and new buildings.

With its cubic design, KÖMMERLING 76 Unity will inspire you down to the smallest detail. For instance, this look is reflected in the square design glazing beads. Measuring only 100 millimetres, the profile sight lines are very narrow, underlining the system's simple, modern elegance. At the same time, this enables rooms to be flooded with light and also allows for thermal gains due to high levels of solar irradiation in winter, for example.

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



KÖMMERLING 76 Unity.

# A SYSTEM WHICH COMBINES ALL HIGHLIGHTS.

KÖMMERLING 76 Unity combines all the innovations and technological highlights of a modern window system. You will receive a solution which represents the very best in every respect – from its visual appeal, to its stability, right through to the outstanding insulating properties of the multi-chamber design with three sealing levels. This allows you to considerably reduce your CO<sub>2</sub> emissions and helps to protect the environment.



#### Cubic design

The outdoor and indoor profiles can either be semi-offset or flush. Having flush profiles, meaning that they are on a single plane, results in a purist, cubic design which is underlined by the square design glazing beads.



#### Stability

The aluminium frame is firmly joined to the plastic frame. This creates a high level of stability which can be further enhanced by glazing edge bonding. The result: Your projects can include windows with large-scale glass elements.



#### Thermal insulation

The highly insulating plastic sections are synonymous with optimal thermal insulation. KÖMMERLING 76 Unity, even in its standard design, already achieves an outstanding U<sub>f</sub> value of up to 1.2 W/(m<sup>2</sup>K).



#### Burglary protection

The non-positive connection between the aluminium and plastic frames provides optimal protection against burglaries. In addition, it is possible to incorporate additional burglar-resistant hardware and solutions into your windows and doors, according to your individual requirements.



#### Concealed drainage

Nothing should come in the way of the seamless aesthetics. We have therefore designed KÖMMERLING 76 Unity such that the drainage is concealed and there is no need to penetrate the aluminium cover.



#### Easy to clean

Both the external aluminium and the internal plastic sections are very easy to clean. In addition, aluminium stands out thanks to its considerable weather resistance. This keeps your windows looking as good as they did on the first day.



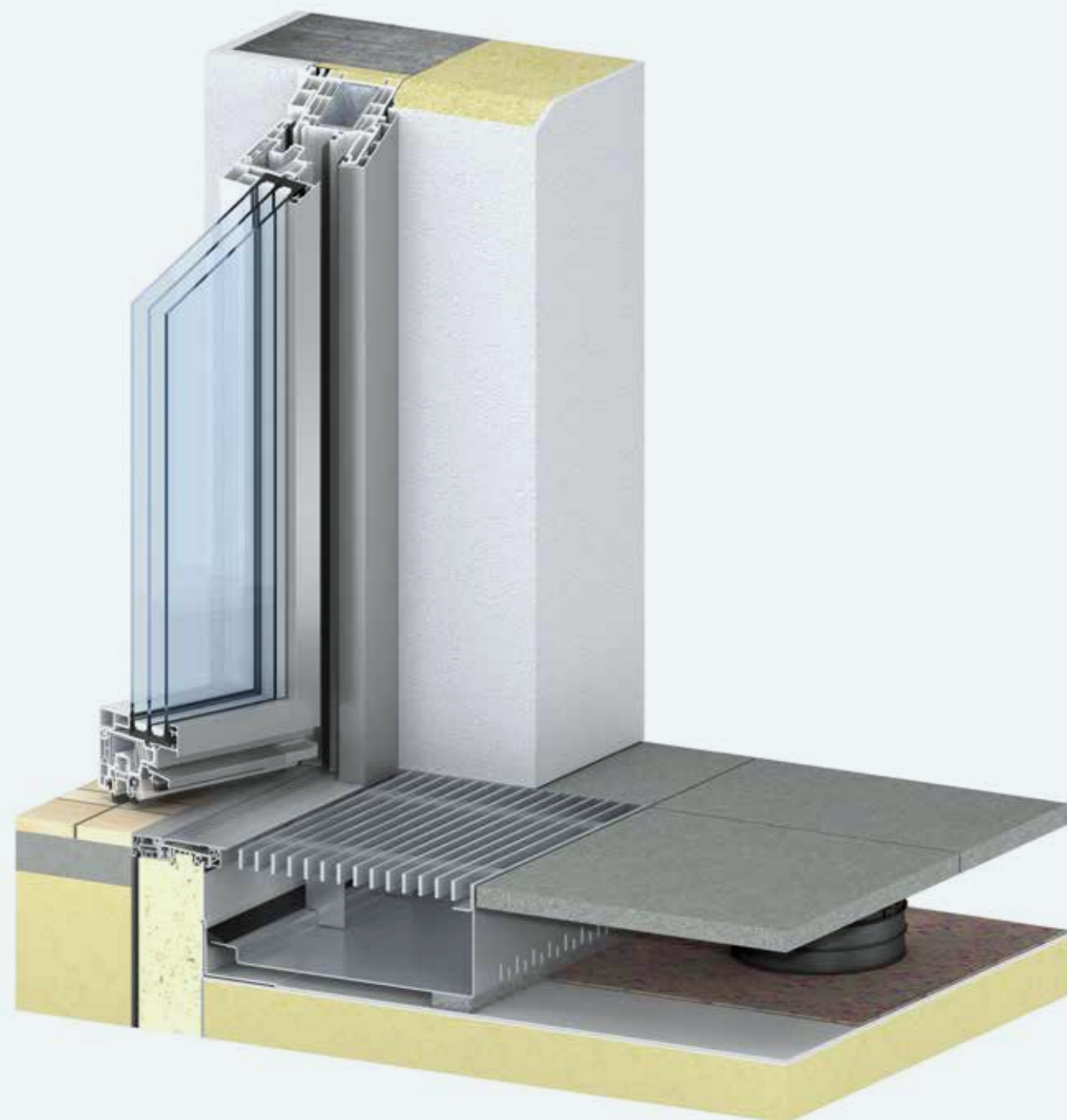
#### Functionality

All of the components of KÖMMERLING 76 Unity are designed for high loads and areas under particular stress are reinforced. This ensures the outstanding longevity of all functions for everyday use.



#### Ventilation

To create a cosy living climate, you can combine KÖMMERLING 76 Unity with our modern ventilation systems. For instance, it could be combined with a concealed ventilation system which does not detract from the look of the continuous aluminium frame.



KÖMMERLING 76 Unity.  
**Windows and doors brought into beautiful harmony.**

You can also incorporate KÖMMERLING 76 Unity into your patio and balcony doors, bringing a standardised, elegant system to your entire home. This means that everything is perfectly matched and your architecture is given a unique, individual character. All of our door solutions with KÖMMERLING 76 Unity enable optimum burglary protection.



The thresholds of patio and balcony doors are often an irritating obstacle and therefore play a crucial role when deciding which door to install. In addition to the standard threshold, our innovative zero threshold PremiPlan Plus is also available. This system will particularly benefit older people and people with disabilities. The KÖMMERLING PremiPlan Plus barrier-free threshold perfectly fits the doors of the KÖMMERLING 76 Unity system. It is designed such that the threshold can be installed at ground level of zero millimetres on the inside and outside. Specially coated flexible waterproofing sheets and water channels ensure that no moisture enters rooms when it is raining, with the water instead being safely diverted away.

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

# KÖMMERLING 76 Unity. EVERYTHING YOU HAVE EVER WANTED.

If glass plays an important role when it comes to your architectural designs, KÖMMERLING 76 Unity is just the right system for you. This is because, thanks to its considerable stability and load-bearing capacity, you can install large-scale windows which would have been unthinkable just a few years ago.

With the transparent structural elements, you can create an ambience which blends together outdoor and indoor areas, providing the basis for pleasant living spaces flooded with light. The unobstructed view outside offered by large panoramic windows is an absolute delight. KÖMMERLING 76 Unity turns the windows and doors into the dominant stylistic element of your modern architecture.

The cubic design has a low-key aesthetic. The narrow and slender profiles are compelling thanks to the unique design language, with clear, reduced lines. At the same time, they create a cosy feeling in every room thanks to their excellent thermal insulation. In terms of energy efficiency, the KÖMMERLING 76 Unity composite system significantly outperforms comparable aluminium profiles.

In addition, the combination of aluminium and plastic cannot be beaten for design flexibility. All hues can be used on the outside of the system. For example, not just one but all elegant anthracite grey hues are available. The surfaces can be given metallic effects, as well as strong colours. At the same time, neutral, classic white can dominate on the inside.

Everything which is crucial to you can be achieved. We can meet all of your requirements. With KÖMMERLING 76 Unity. The new generation window system.



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