



KÖMMERLING ReFrame
Full marks for sustainability
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PROFINE NEWS



PROFINE DIGITALEXPO 2022

March 2022

EDITORIAL



Welcome to the profine
DigitalExpo 2022!

What are the latest innovations? Which new products are setting trends? What does profine Group offer in terms of service and sustainability? We also want to give you exciting answers to these and many other questions at our virtual trade fair stand.

With profine DigitalExpo, we offer you your virtual window into our product and brand world.

We look forward to presenting you with many new developments for your market success again this spring. In doing so, we think in the long term and are always oriented towards the guiding principle of sustainability. We always aim to offer you holistic solutions in addition to technically superior products and optimal service.

We also want you to experience our forward-looking philosophy at our digital trade fair stand.

We look forward to seeing you and hope to inspire you at the profine DigitalExpo.

Your

Dr. Peter Mrosik
Owner and CEO

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PROFINE DigitalExpo



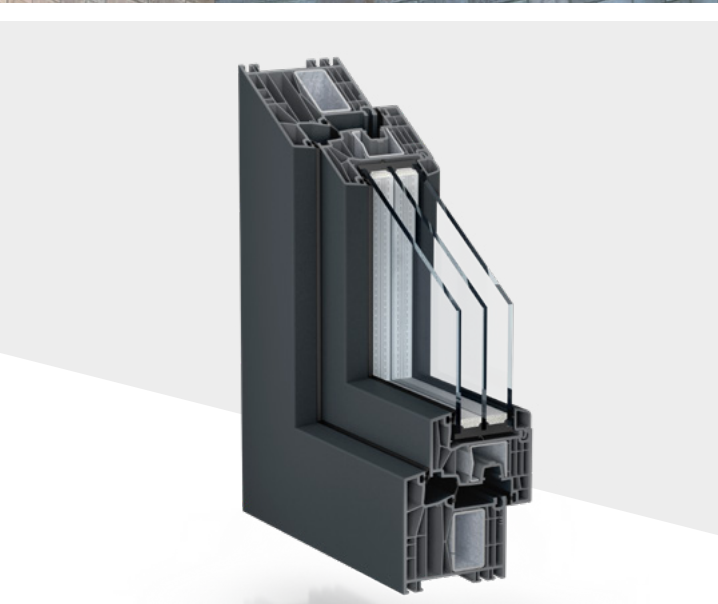
VIRTUAL WINDOW INTO OUR PRODUCT AND BRAND WORLD

From Tuesday, 29 March to Friday, 08 April 2022, you can look forward to a digital trade fair experience with our profine DigitalExpo. Visit us from the comfort of your home or desk, using

your computer or mobile device at your convenience. Discover innovative product highlights, find out about existing systems or make appointments with our contact persons directly online if required. We hope you

enjoy exploring our digital product and brand world! You can find the profine DigitalExpo at:

www.digitalexpo.profine-group.com



KÖMMERLING REFRAME FULL MARKS FOR SUSTAINABILITY

KÖMMERLING ReFrame is the first profile made of 100 percent recycled material with a perfect surface. It offers the same functional properties as conventional PVC-U profiles, with a completely closed material cycle. In Germany, KÖMMERLING ReFrame profiles are available in System 88 centre seal.

More than superficial proCoverTec – our best surface technology for ReFrame.

- ▶ perfect, luxurious surfaces
- ▶ higher UV resistance
- ▶ improved IR reflection

Naturally sustainable As of now and in perpetuity

Resource-saving production, outstanding technical values, long service life and multiple recyclability – all this makes KÖMMERLING ReFrame a role model in terms of sustainability.

The production from 100 percent recycled PVC-U is pioneering for the future – with the best technical properties: KÖMMERLING

ReFrame profiles can even be used to build windows suitable for passive houses, which additionally contributes to the reduction of CO₂ emissions. ReFrame windows have a theoretical service life of at least 40 years and can be recycled several times.

Trendsetting projects Enthusiastic voices

A first building project was already realised in Amsterdam two years ago. In Germany, ReFrame was used for the first time in a children's day-care facility in Mönchengladbach, carried out by our partner company Rolladen Müllers GmbH & Co. KG.

Markus Müllers, Managing Director of Müllers GmbH & Co. KG

"We were immediately enthusiastic about the ReFrame technology and were very pleased to be able to convince the building owner and the planners of this solution. After all, the future of building clearly lies in energy efficiency and the conservation of natural resources while maintaining high product quality. Here we are pursuing the same goal as our partner profine, namely to create a perfect cycle."

Frank Meier, technical director of Wohn- Bau Mönchengladbach.

"We would like to use more sustainable

building materials in our projects. This new window has great potential and we see advantages in the future for maintenance work and the removal of possible surface damage due to the refined surface."

Christian Heinen, CEO of WohnBau Mönchengladbach.

"Especially in publicly subsidised housing construction, we are always in the area of tension of rising construction costs. If this window system becomes established on the market, sustainability and economic efficiency will be combined in a meaningful way."

Experts convinced First awards

In June last year, ReFrame received a Rethink Award in the Netherlands. The Rethink Awards are an initiative of trade associations, the Dutch plastics industry and Plastics Europe Netherlands. An independent jury of experts evaluated 42 entries and unanimously selected the profile as the winner in the recycling category.

Only two days later, the WFK.Awards 2021 were presented at the 2nd Vienna Window Congress – and here too, ReFrame was able to convince the jury and secure the prize in the sustainability category.

"Sustainability is a cornerstone of our corporate policy, from the use of lead-free stabilisers to comprehensive recycling solutions. Therefore, we see our ReFrame profiles as a logical building block towards the goal of a full circular economy and sustainable solutions for generations."

Dr. Peter Mrosik, owner and CEO of profine Group



In view of the dramatic situation of the Ukrainian population, we decided at the beginning of March to launch a humanitarian fundraising campaign with the foundation KÖMMERLING Better World Stiftung and, as a company, to transport donations in kind at the same time.

We want to help the people in Ukraine, which we feel is a very special obligation against the background of being represented with a plant in the country. For this very reason, we also have the logistical prerequisites to gain direct access to the country and the affected population.

As far as profine is concerned, we have contributed 150,000 euros to this humanitarian fundraising campaign for the prompt and targeted purchase of goods that our contacts have told us are most urgent. For example, medicine, food, hygiene products, clothing and other items needed daily in the war zone.

Many of our partners, colleagues as well as our customers and suppliers have already participated with a donation. A first truck with thirty fully packed pallets of relief goods left our Berlin location for Ukraine at the beginning of March. As this newspaper went to press, the total amount of donations was approaching the 400,000 euro mark.

We are overwhelmed by the many donors and supporters, and we probably also speak for the Ukrainians when we say thank you again from the bottom of our hearts on behalf of the foundation KÖMMERLING Better World Stiftung!

One hundred percent of the money goes to its intended purpose, and the foundation does not incur any costs because it relies on the employees and infrastructure of the profine Group.



HUMANITARIAN FUNDRAISER FOR UKRAINE

Donations are of course still important and above all necessary. Any support is most welcome. If you wish, you can also receive a donation receipt. Please include your address and the subject "Ukraine" in the bank transfer.

You can find all information about the fundraising campaign at www.koemmerling-better-world.com/en/ukraine. We will keep you informed about the progress via the profine social media channels.

BANK DETAILS
KÖMMERLING
Better World Stiftung gGmbH

Sparkasse Südwestpfalz
IBAN DE91 5425 0010 0000 0969 58
BIC MALADE51SWP



KÖMMERLING ON THE SHIRT UNTIL 2024

profine GmbH with its KÖMMERLING brand will remain on the Mainz 05 shirt chest until 2024. We extended the contract as the main and shirt sponsor of the Bundesliga football club for another year at an early stage.

The KÖMMERLING brand has been on the shirts of the team since 2015. It is the longest commitment of a partner as main and shirt sponsor in the history of professional football at Mainz 05.

Dr. Peter Mrosik, owner and CEO of profine, says: "Our cooperation with Mainz 05 is a very important component in the strategy of our KÖMMERLING brand and has been



Dr. Peter Mrosik, Dr. Jan Lehmann, Commercial Director of 1. FSV Mainz 05 (left) and Head Coach Bo Svensson (right) announced the extension of the sponsorship agreement until 2024.

extremely successful to date. The response from our partner companies to this end customer marketing is also very positive. Like Mainz 05, KÖMMERLING stands for sustainability, and we are also united by values such as responsibility, authenticity and team spirit. With the foundation 'KÖMMERLING Better World Stiftung', we also support the club in its 'Mission Climate Defender',

because climate protection and the preservation of natural resources are also part of our self-image. All in all, our brand partnership is a success story that everyone involved can be proud of and that we are happy to continue writing together."

MARRIAGE OF TWO MATERIALS

There are many systems with aluminium cladding for PVC-U profiles. KÖMMERLING Unity though is different. It is the first solution, where PVC-U and aluminium has been designed together and synergistically as a hybrid system. KÖMMERLING Unity is the outcome of the cooperation between the two system houses profine and Stemeseder, which bring in their special core competencies. The system already fulfills future requirements for the sealing of components in contact with the ground.

The highly economical system can be modularly designed and is based on the System 76 centre seal version for the tilt/turn variants and on the PremiDoor 76 version for the lift/sliding door systems. Our developers have succeeded in creating a direct non-positive connection, which suits both materials alike, and even extreme temperature fluctuations cause no stress and strain to the system owing to its high tolerance range. As an innovative product, KÖMMERLING Unity already meets future requirements for sealing components in contact with the ground, for example in Austria in accordance with the guideline for building sealing "Connection for floor-to-ceiling windows and doors".

A tried and tested system as the basis

KÖMMERLING Unity was developed on the basis of profine's 76 centre seal system, our specialists could, in this case, bank on the tremendous experience with a perfected system. This also means absolute compatibility,

for e.g. with steels, seals, floating mullion manufacturing and transom connectors as well as ancillary profiles like extensions and couplings. The glazing edge bonding also lends stability to the system. The drainage, in this case, always remains concealed and is possible without penetrating the aluminium cladding in the standard version, which lends additional positive optics to the window. It also achieves an outstanding U_f value of 1.0 W/ (m²K) in thermal insulation. KÖMMERLING Unity allows quick and flexible installation in existing and new constructions. Besides the standard version (mechanically joined), welded versions of aluminium frames are also available.

Less is more – easy assembly

KÖMMERLING Unity simplifies the building connection, both with elements in contact with the earth as well as with any window sills, even without additional profiles. The sealing works with liquid synthetics, foils or with bituminous films.

Since windows are about visibility

In the case of cubic profile designs, including square glazing beads, we set store by minimalist and modern elegance. The visible sight lines at about 100 mm can be kept very narrow in this case. The glazing thickness is 48 mm in the standard version of the tilt/turn variant. The lift/sliding door KÖMMERLING PremiDoor 76 accommodates a glazing thickness of 58 mm. There is a choice of various designs and individual optics for a weather-resistant surface, meeting all criteria of premium quality.

The windows can be optionally flush-mounted inside, and recessed or flush-mounted versions are available for the exterior in virtually unlimited colour combinations.

The optics will seem very familiar to (hitherto) wood and aluminium manufacturers; the tried and tested profine platform, extended to include KÖMMERLING Unity, now helps streamline orders for material combinations (wood-aluminium and PVC-U aluminium combinations).

Efficient manufacturing

Developers of KÖMMERLING Unity are also geared towards process optimisation: efficient manufacturing processes allow cost optimisation as well as parallel frame production and construction without conventional screw-down holders. The "marriage" of aluminium and PVC-U window frame goes off smoothly; it is virtually a sprinter, the "window that is fastest to clip on", and the first PVC-U aluminium window to be integrated into the production line.

KÖMMERLING ACRYLCOLOR COLOURS AT THE HIGHEST LEVEL

The market share of coloured PCV-U windows and doors is growing steadily. We have once again proactively picked up on this trend and expanded our range of colours to include the KÖMMERLING AcrylColor program.

KÖMMERLING AcrylColor are profiles with a coextruded PMMA surface, a thermoplastic (polymethyl methacrylate). A heat treatment process creates a robust, homogeneous, coloured acrylic layer that is firmly bonded with the PVC-U profile.

Protective shield

The profiles act like a protective shield and guarantee the window colour fastness for years and a high level of scratch resistance. The refined, satin appearance is extraordinarily easy to care for, weather-resistant and virtually maintenance-free. KÖMMERLING AcrylColor profiles are 100 % recyclable.

The new surface variant is available in the KÖMMERLING 76 centre seal system as well as in the residential door version of the KÖMMERLING 76 double seal program. In a first

step the profiles are available in five colours, in four contemporary gray tones and in trendy sepia brown.

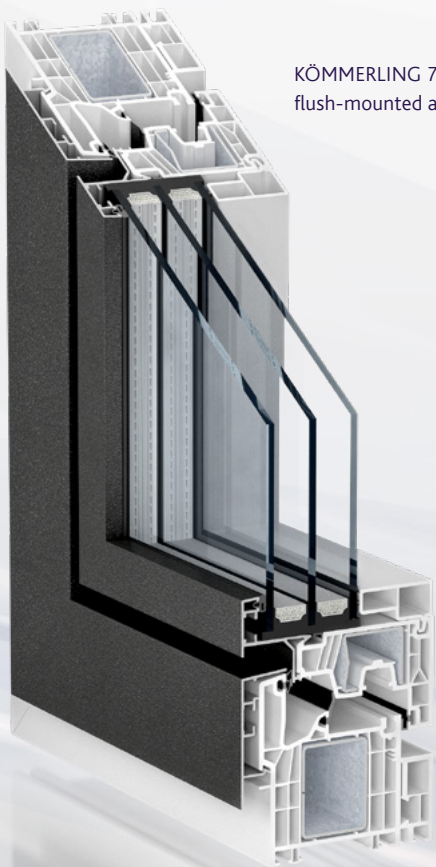
Experience meets innovation

The PMMA finishing is a proven technology at profine. As early as 1975, TROCAL's AcrylProtect was the first to apply for a patent for profiles with a corresponding surface, and was successfully sold for many years. KÖMMERLING AcrylColor is the further development of this coating in accordance with the latest state of the art.

With KÖMMERLING AcrylColor, we are able to offer our customers another option in the steadily growing market segment for coloured windows – in addition to our wide range of decorative laminates, our solutions with aluminum shells and the finishing technology proCoverTec. More colours means more possibilities for the different demands and the success of our partners in the market.



KÖMMERLING 76 Unity
with U_f value 1,0 W/(m²K)



KÖMMERLING 76 Unity
flush-mounted and inside flush



KÖMMERLING 76 Unity
flush-mounted and bonded



KÖMMERLING
Perfect

KÖMMERLING Perfect

With the system KÖMMERLING Perfect, we offer a unique, patent-pending system that combines windows, sunshade, insect protection, window sills and an antiffall device. Unique: The roller shutter guide rail can be completely integrated into the facade and still offers all convenience at the retrofit. This enables a homogeneous view of the entire facade – whether roller shutters, extension blinds or insect screens. In addition to perfect optics, slim sight lines and solid and modern technology, the system offers the possibility of easy retrofitting and conversion.

The product is extremely popular in all areas: home owners, planners, sales, technology and installation. The modular system with all detailed solutions – no matter whether sunshade, insect protection or antiffall glazing. The integral concept as a complete system simplifies and speeds up all trades: from planning to ordering to assembly and cleaning work. All components from a single source, all surfaces fit together perfectly. Simply KÖMMERLING Perfect!



KÖMMERLING 76
Centre seal
AcrylColor quartz gray

WINDOW & DOOR SYSTEMS

LOGICAL EXTENSIONS

The platform strategy is one of the biggest plus points for our customers. They profit from the diversity of systems, products geared to market requirements and high compatibility. That translates into simplification, improved logistics and thereby economies of scale with optimal flexibility for window manufacturers.

We completed our system platform already some time ago. This year we will present logical extensions for special applications. You can look forward to this and numerous other innovations. The range includes the entire bandwidth, ranging from economy to high-

end products, from systems with 58 mm for international building applications, to our successful flagship System 76 in double and centre seal variants, down to System 88 for passive houses.

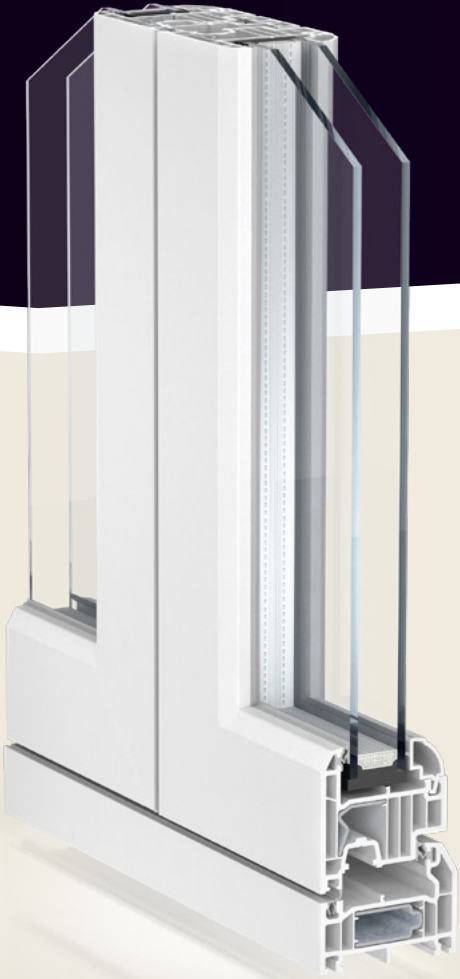


EuroFine 58mm

EuroFine 58mm

The new EuroFine 58mm system, developed in Germany and placed in the South American region, expands our product range extremely efficiently and offers a wide range of possible applications. With up to 44 percent recycled content and optimised material use, it is also a sensible addition in terms of sustainability and economy.

Attractive, slim sight lines and modern colour foils contribute to a contemporary design. With very good values in terms of thermal insulation, sound and noise protection as well as a pronounced compatibility, the system fits perfectly into the existing profine system world of 70, 76 and 88 millimetres.



KÖMMERLING C 70

UK Systems

The elegantly designed System KÖMMERLING Engage 76 fits perfectly into homes with a traditional British design. It combines the style and aesthetics of the traditional wooden window with the advantages of modern PVC-U windows.

The frame and sash are flush with the inside and outside. The sash can be made in a top or side hung version, opening outwards or rotating 360° horizontally. The system achieves a heat-insulation U_f value of 1.2 W/ (m²K) in the standard version. The permissible range of glazing of up to 48 mm supports the use of triple glazing or special

functional glass. The mullion profile and/or transom profile can be welded or joined with mechanical fasteners.

After its successful launch in the UK, Engage 76 is now being used in the Baltic States, Iceland and Norway.

The UK system C 70 has been extended by an inside and outside flush sash, which is available including numerous options. Now, top-hung, side-hung and casement variants can be produced in the system. The extension also includes two floating mullion variants: a standard solution and a „zero“ floating mullion.



System 88 double seal standard

System 88 Double Seal

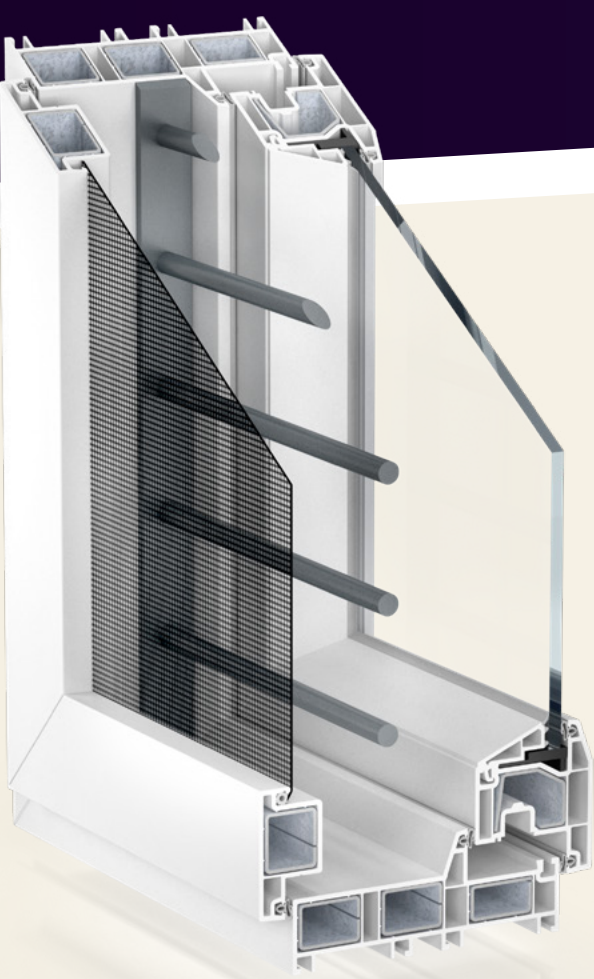
System 88 with double seal has been an addition to our tilt/turn platform since April 2020. This is aimed at window manufacturers who mainly manufacture double seal profiles.

As is the normal practice with profine, the guidelines for development were high compatibility, intelligent manufacturing and optimised warehousing for our customers. The system is based almost entirely on the 88 centre seal system and on products with the 76 mm installation depth. This makes use not only connecting profiles, glazing beads and steels, but also of the sash and floating mullion profiles from the 88 centre seal system.

Only two frames, a transom and two connectors are added for manufacturers of the 88 centre seal system.

Based on the 88 centre seal system the double seal variant also offers excellent thermal insulation, sound insulation and impermeability against driving rain. As with the centre seal system, a glazing thickness of 24 mm to 58 mm is possible.

The system is available in classic white or foiled and AluClip. Profiles of the centre seal range are available for the manufacture of residential doors.



System Villa

System Villa

A current country-specific extension is the Villa system. It was developed specifically for the Indian market on the basis of our Asia system Gold Asea.

Villa offers the ideal features to be able to participate in tenders there for properties in the upmarket sector with high security requirements. The continuous frame casement instead of two separate elements simplifies final assembly on the property and is a

unique selling point in the market. By inserting a "grill mesh" between the glass and the fly screen, penetration through the window is made considerably more difficult.

The multi-chamber system has good thermal insulation and offers opening variants for different types of windows typical for the country.



Extension of the System 88 centre seal

Extension of System 88 centre seal

In the System 88 centre seal, we have also made extensions with regard to new regulations for building structure sealing. With the frame with 88 mm construction depth and frame setback to 76 millimetres, a continuous adhesive surface for a circumferential seal to the building structure is achieved. Furthermore, all additional profiles from the System 76 can be combined with it. An adapter profile for connecting the roller shut-

ter box and a window sill strip for connecting the interior window sill have also been added. Corresponding elements are available as standard white, foiled and with aluminium shell. With these products, we already have a constructive solution for fulfilling the increased requirements in current and new guidelines for the sealing of building components in contact with the ground.

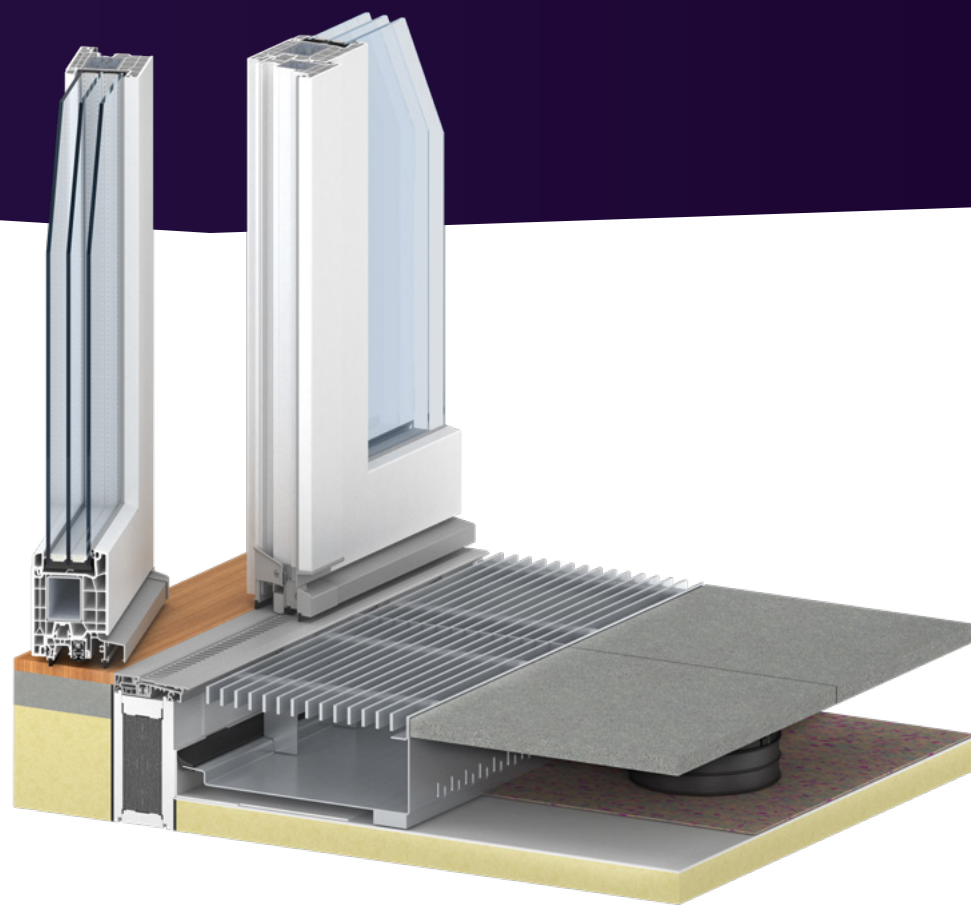
System 76 SwissLine

With the creation of KÖMMERLING 76 SwissLine, a flexible complete system delivering high-performance has been made especially to meet the requirements of the Swiss window market. The linear offset design and slim sight lines profile views allow optimal incidence of light and high solar energy gain. The slim frame construction with an installation depth of 76 mm satisfies the desire for high performance and more light with perfect aesthetics.

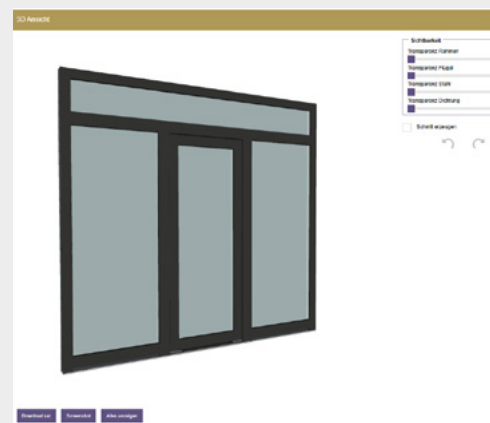
SwissLine 76 complies with the exacting Swiss Minergie standards and is ideal for both renovations and new construction work. It is available in several versions and is, by all means, suitable for balcony and terrace doors as well as parallel tilt-and-slide doors. The foiled profiles in elegant wood grain design and plain colours or with the aluminium cladding DECCO in over 450 RAL colours can meet every individual design requirement.



KÖMMERLING 76 SwissLine DECCO



WINNER 2018





SLIDING SYSTEMS ARE HIGHLY POPULAR

Sliding systems continue to enjoy popularity. profine responds to this trend by consistently developing new products and systems. Besides the highly successful premium lift/sliding doors PremiDoor 76 and PremiDoor 88, our product range also includes, among others, the PremiSlide 76 – our compact and versatile sliding system, the innovative turn/sliding system PremiFold 76 and the new PremiLine 58.

PremiLine 58

PremiLine 58 is the high-flyer in the family of sliding systems, a very economical system that is especially suited for the requirements of many export markets. PremiLine 58 impresses by its particularly slim profile that accommodates large glass surfaces and by its higher incidence of light. Available in two sash variants for windows and doors, with top quality and convenient aluminium threshold for twotrack and three-track elements. The big steel reinforcements offer high stability and it scores on the

energy efficiency front by the use of double glazing. The multi-point fastener fitting also gives greater anti-burglary protection.

PremiFold 76

PremiFold 76 is an innovative turn/sliding system for windows and doors that, for instance, can be used for very large openings. Versions in different variations are available, with two to five sashes and in white with a maximum dimension of 4.50 m (width) and 2.30 m (height). A complete window element can be assembled with minimum one side-hung sash and multiple sliding sashes. The special opening variant of our System 76 double seal can be fabricated using the standard frames and sashes of this platform. Besides the special hardware, a manufacturer would only need a few additional items like a sliding rail, a special slide seal ring and ancillaries. The other advantage with profine's PremiFold 76 is that the elements have no visible fittings. The windows and doors can be equipped with double as well as triple glaz-

ing. With a wide range of decor laminates, homes and business properties can be customised to individual preferences: PremiFold 76 is available in classic white, in wood grains, as well as in plain and metallic colours.



PremiFold 76 at Fensterbau Frontale 2018

PremiSlide 76

This product is an optimum addition to the lift/sliding doors of the premium segment; sturdy, compact, efficient and with a wide range of applications to construct sliding doors and windows. This system too is based on our 76 mm platform in the double seal

version offering our manufacturers a high degree of compatibility.

The convenient sliding system combines numerous advantages, such as a minimal space requirement for opening. The gap opening permits exceptionally efficient ventilation and the wide glass surfaces ensure optimal solar energy gain. The U_i value of 1.4 W/(m²K) in the standard version and a U_w value of up to 0.7 W/(m²K) are considered excellent for sliding systems. The seal which is compressed on all sides makes the system perfect. PremiSlide 76 offers great versatility in terms of design. Besides classic white, a wide range of wood decor and metallic colour foils, including the AluClip, are available to create a personalised colour scheme.

A special casement has been developed to enhance the appeal of the well-established sliding window system. The casement forms a proverbial tailor-made suit for PremiSlide 76. With a very slim sight line of 55 millimeters, the U_i value could be reduced to 1.3 W/(m²K). The innovative System thus convinces also energetically.

Furthermore, the new casement has optimised the manufacturing of sliding doors and windows enormously, the casement system can be welded during manufacture and the fittings are clipped on in a form-fit manner, once again reducing the manufacturing time significantly.

PremiDoor 76

A flagship among our lift/sliding doors is the PremiDoor 76. It fulfills almost all wishes in the standard version. Especially also because of our new Comfort Threshold, which is classified in "Class 4" in roller capability according to ift guideline BA-01/1 2018-10. It is a true eye-catcher for the premium market characterised by excellent thermal insulation, superb ease of use and very slim lines. The "Lux Design" sash is a special highlight with an extra narrow 40 mm sight line that supports larger glass surfaces and higher solar gain.

PremiDoor 76 is a system with a continuous 5-chamber construction, which is ideal for renovations and can accommodate glass panes of up to 52 mm, with a 179 mm low installation depth. Narrow sight lines of up to 65 mm at the casement, 100 mm at the sash and 103 mm at the centre fastener result in a high incidence of light. With a U_i value of 1.4 W/(m²K), the PremiDoor 76 brings excellent thermal insulation values for lift/sliding doors, even in the standard version. The system is also available in scheme D; two-part with two hinged sliding parts

The KömaFrame kit system was specially developed for renovating or restoring windows. With KömaFrame, reveals can be clad easily and quickly – without the need for additional painters or plasterers.

The renovation frame is made to measure and delivered as a kit with the windows directly to the construction site. The compact package contains all the necessary parts for assembly. KömaFrame can be assembled on site in just a few minutes. KömaFrame is made of KömaCel PVC integral skinfoam sheet, a material that has been reliable and proven for decades. KömaCel sheets are highly valued in the construction industry due to their diverse properties and product advantages. KömaFrame is characterised by very good insulation values. The reveal is flame-resistant, moisture and chemical resistant and antibacterial. It is therefore just as easy to clean as the window and frame.



SHUTTER SYSTEMS PART OF THE QUALITY OF LIFE

Be it renovations, extensions or new constructions, our high quality PCV-U shutter systems are true all-rounders and stand for the highest standards of quality.

VariNova with integrated anti-fall device



Roller shutter profiles

Our roller shutter profiles not only efficiently increase weather, sound and burglary protection, they also offer maximum reliability, flexibility and longevity. They owe their light weight to the optimised use of materials and they all the same have a sturdy design. This enables easy operation without exerting too much effort, and of course automated solutions are available too. Their high resistance and colour fidelity sets them apart. They are easy to clean with water, if required.

VariNova

The roller shutter add-on element VariNova is an incredible all-rounder. Its technical and constructional advantages and convenience makes it an ideal fit for renovation projects and new builds alike. Depending on the installation, the add-on roller shutter box can be opened inwards, or with the shutter box lid towards the bottom.

That means the element can be plastered over, as required, on the exterior or the interior. Different aluminium and PVC-U panels

enable colour customisation and can be made to match wood grained windows. All box sizes can accommodate the 8 mm minislats and 14 mm maxislats. Even the retrofit fly-screen solution is kept consistent with the system's concept. The VariNova add-on roller shutter box offers a wide range of ingenious solutions ranging from the box overhang to special ceiling mountings. The VariNova add-on elements exceed the minimum statutory requirements for thermal insulation and are characterised by outstanding air seal strength values. Depending on the configuration, the add-on roller shutter boxes achieve sound insulation values of up to 44 dB. The VariNova solution with extension blinds not only offers privacy, but also the convenience of an adjustable shade and an optional insect screen. The extension blind box can be used for all standard 80 mm slats on the market. It goes without saying that here too insect screen roller blinds and pleats can be retrofitted.

Anti-fall device

Due to the desire for ever larger glazed areas and the aesthetic requirements of modern architecture, the demand for ground-level elements continues to increase – even beyond the ground floor. For this reason, anti-fall devices and panelling glazing have become indispensable in modern construction.

With the solution integrated into the VariNova roller shutter add-on box system, it is possible to realise an almost invisible accommodation of the all-glass balustrade or lattice system made of aluminium without restricting the statically necessary fixings.

Furthermore, our developers have succeeded in providing profine's system partners with a visually appealing and easy-to-implement system that is perfectly inte-

grated into our system landscape. When roller blinds or external venetian blinds are used, an optical unit is formed.

With the all-glass balustrade, widths of up to 2,500 millimetres are possible, and glass heights of 500 millimetres and more can be realised. With the lattice system, widths of up to 2,000 millimetres are possible. Both systems can be coated according to RAL on request.

e.SPACE

e.SPACE is a roller shutter add-on element specially developed for the French market and its unique installation requirements. e.SPACE can be used for new builds with an internal insulation ranging from 100 mm to 180 mm and for renovation solutions typical for France on existing old frames. The attachment element is available in two box sizes (185/220 mm and 215/250 mm). The inspection opening of the box constructed in the form of a design panel is positioned inwards on the room side. The roller shutter add-on element's outstanding feature is that it is extremely airtight. All the seals that are moulded onto the components contribute to its excellent system values. It has excellent sound and thermal insulation, as well as variable static solutions. It can be assembled very efficiently by clipping the sides of the part with the blinds.

There are various adapters for system-neutral installation on window systems made of PVC-U, wood and aluminium. Clever sliding technology has been built in for easy changes and adjustments of the roller shutter. This allows one to change the type of drive easily, whenever required. Summary: the new roller shutter box is a well-designed product that offers many economic advantages. All in all, e.SPACE offers the customer innovative and speedy fabrication, besides

great degree of flexibility with the lowest stock levels.

NAXOS

With modern materials, the classic Mediterranean French shutter turns into a high performance product. The outstanding properties of PVC-U work to the advantage of the French shutters making them exceptionally low-maintenance and last almost forever. They offer protection from prying eyes, wind and weather, heat and cold – and of course from forced entry and burglary. In addition, the NAXOS series are most flexible, allowing incorporation of all kinds of panelling and slats and thereby setting virtually no limits to creativity.

Have we aroused your curiosity?

Feel free to contact us if you are interested or want to know more on any particular topic from this profine newsletter.

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IMPRINT

Published by:

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