Windows, short and sweet
Window profiles from the No. 1 in Europe

Our windows are made with PVC-U profiles from KÖMMERLING. Because PVC-U presents many invaluable advantages. It makes possible the ideal combination of economy and design freedom with the high requirements for thermal and sound insulation. With respect to technology, quality, function, and aesthetics, KÖMMERLING is always a step ahead of the trend. Put your trust in a strong brand.
The plastic polyvinyl chloride, or PVC for short, has had an unparalleled career. And quite specifically for the window, one of the most demanding structural elements of a home. Within a few decades, this material had outstripped all of the conventional materials – and is continuing its advance all over the world. One of its key advantages lies in the excellent thermal insulation.

PVC is the only mass produced plastic that does not consist primarily of crude oil, but to a great extent of sodium chloride, an inexhaustible resource.

Today PVC is one of the best researched materials. Eco audits over the whole lifecycle of a window testify to the excellent properties of this modern material.
Success based quality

Quality by KÖMMERLING means not only the harmonised unity of the product range, but also the supervision of all product stages, whether research and development, production, design purpose, or ecological recyclability. Its economy, design, function, structural properties, and minimum impact on resources and the environment fulfil the highest demands and present the optimal advantages in conjunction with the knowhow of our window makers. Alone in Europe there are over a thousand specialised companies that can offer you their entire skills – for your safety.

Today PVC-U is the most successful window material. It is already used in six of ten windows in new residential buildings, and seven of ten in old buildings.
All window profiles have been distinguished by the quality control association for PVC-U windows. And the quality management system run by KÖMMERLING has been certificated worldwide under DIN ISO 9001.

Renowned international testing institutes have verified the excellent quality of profiles and windows.
How you can save high energy
Eergy costs!

The costs of energy are rising. And you don’t have to look on helplessly. The building industry responded a long time ago and created new generations of multifunctional window systems. With insulating values you could only dream of a decade ago. Right at the front: the windows with PVC-U profiles from KÖMMERLING With special glazing and high insulation profile frames – for the optimal “framework”.
Revealing figures

Old windows are still the cause of large heat losses. In a single family house, these heat losses can be as high as 40% of the total heating energy. And: From the energy saving viewpoint, windows that were installed more than twenty years ago have long outlived their usefulness. They should be replaced. Good to know that new quality windows pay off quickly.

Windows are literally the “thin places” in the skin of a house. Nevertheless they must withstand hurricane gusts, hailstones, driving rain, and icy cold with huge temperature differences between inside and outside – and that permanently. If you want new windows in an old house, you should think of yourself and the environment. Und you will benefit the environment on three fronts: First you’ll be combating the greenhouse effect because you’ll be needing far less heating energy. Secondly, window PVC ranks among the materials with the best recycling properties. And thirdly, windows produced with KÖMMERLING profiles make our environment a more beautiful place to live in.
Old windows are still the largest source of energy losses. With windows of KÖMMERLING profiles you can save up to three quarters of the heating costs that old windows cause.

- **Old single glazed wooden windows**
  \[ U_w \text{ value } 5.5 \text{ W/(m}^2\text{K)} \text{ equivalent to } 43 \text{ litres/m}^2\text{ heating period} \]

- **Old insulation glazed PVC-U windows**
  \[ U_w \text{ value } 2.5 \text{ W/(m}^2\text{K)} \text{ equivalent to } 23 \text{ litres/m}^2\text{ heating period} \]

- **New insulation glazed PVC-U windows**
  \[ U_w \text{ value } 1.3 \text{ W/(m}^2\text{K)} \text{ equivalent to } 5.4 \text{ litres/m}^2\text{ heating period} \]

- **Total heat losses in a single family house**
  - 37% windows
  - 35% outer wall
  - 15% roof floor
  - 13% basement floor

* calculated with solar gains and ventilation losses as a result of aging
Window renovation for great energy saving potential

Less heating energy for more cosiness: this passive house has no need for an active heating system.
Thermal insulation made to order

With enhanced thermal insulation you double your winnings: you save heating costs, and there is less pollution to the environment. KÖMMERLING systems give you the thermal insulation you need. Whether a modern low energy house or a pioneering passive house – you’ll be at the height of the times. According to statisticians, the use of modern windows would save an annual € 18.5 bn alone in Europe – a gigantic sum equivalent to the total output of 38 large scale power stations.

In the GlassWin system, the glazing is bonded to the sash profile that is completely covered by the glass pane and is not visible from the outside.

Fitted “only” with standard double glazing, the 70 mm window system EuroFutur Classic easily fulfils the standard for low energy houses.

KÖMMERLING 88plus Certified as suitable for passive houses, this system exhibits enhanced thermal insulation for considerable reductions in energy consumption and CO₂ emissions.
takethetleadoutof
PVC-Uwindows.
The greenline® symbol represents our new profile generation stabilised free of lead. Watch for this when you want to benefit yourself and the environment.

Welcome to the future. As a lead free stabiliser in the recipe for high quality window PVC-U, greenline® fulfils today the special environmental requirements of tomorrow. Opt now for this modern generation of PVC-U windows, and choose in favour of greater sustainability. Since 2004, KÖMMERLING has been employing greenline®, a chemical stabiliser based on calcium and zinc, in the raw materials for its PVC-U profiles and so avoids lead over the whole manufacturing process.
greenline® follows the line of common sense. From the outset, windows of KÖMMERLING profiles were ecological windows. They were recycled long before it took hold of the sector. greenline® goes the way of environmental protection with the greatest effect: that of voluntary commitment. A binding agreement prescribes the joint responsibility of KÖMMERLING and its partners on the window making sectors.

Time lapse analyses have verified that PVC-U window profiles stabilised with calcium and zinc exhibit a considerably enhanced resistance to weathering over the long term. Also, they retain their perfect satin gloss longer than the conventional PVC-U profiles treated with lead. Furthermore, when lead stabilisers are replaced with calcium and zinc, there is a lasting improvement to the quality of the regrinds.
20% recycled rate in production

ofi, the Austrian research institute for chemicals and technology in Vienna, verified PVC as having the best energy balance by far.

- **PVC is a world champion saver.**
  It saves expensive raw materials, energy, material, weight, wear, and replacements.

- **Recyclable.**
  Regrinds from the profiles can be recycled virtually an unlimited number of times – windows for many centuries.

- **Higher thermal insulation.**
  Not only saves heating costs, but also reduces the pollutants from the heating medium.

- **Superior durability.**
  There is no better protection for the environment.
Our windows and doors are your personal barrier against noise and burglars. For peace and security. And it gives you the feeling of having done the best for your family and your home.
The world has become less safe. Your house doesn’t have to be. The basic security can be enhanced further with special hardware, burglar resistant glazing, and lockable handles – just as you need it.
Nothing worth the trouble

Concealed in all profiles is a strong safety bead that protects you with no additional measures from the attentions of uninvited guests. Composite security glass with untearable film or composite glass with casting resin, for instance, leave scarcely a chance to hard hitting pilferers.

1. In this system, all bearing and locking systems are firmly anchored in the frame steel. The tilt/turn hardware of complex technology lies completely concealed in the frame rebate.

2. Here protective hardware seals the whole circumference of the window.

3. Backlocking plates are screwed into the steel.

4. The safety corner deflector prevents jemmying.
EuroFutur Classic/Elegance and AluFusion present a vast potential for the design of your residential door. The deep glazing rebate takes safety and insulation glazing and residential door panelling up to 39 mm thick. Possible are single- and multisash, inward and outward opening residential doors with top light and side frame. Thanks to their thermoplastic mouldability, EuroFutur Classic and Elegance can also be bent to any shape. Round, segmented, and peaked arches in individual combinations turn your residential door into a magnificent calling card for your home.
Comfort galore on windows and doors
You want to enjoy the beauty and brightness of summer free from worry – and peace and cosiness in the winter? You want to see your wishes fulfilled for cosiness and pleasure in life, and make the window the most beautiful place in the house? As rich and varied people’s wishes are for their own ideas of living, just as rich and varied is our range of windows for fulfilling these wishes. In all seasons – both inside and out.
Matching windows and doors. And more.

KÖMMERLING provides a large number of window systems that fulfil every wish with a range of frame and sash heights and depths, floating mullion and transom designs, full glass panes, and Georgian bars. This programme is rounded off with security roller shutters and hinged shutters, PVC sheets for building sites (e.g. as residential door panelling), and cladding systems.

Kōmatana window sills provide a connection to the building with the ideal thermal properties. Its homely look is as convincing as its durability.
In the cold season, lift/sliding doors guard against wind and weather and keep the heat in the house – in summer they keep the house open to Nature.

As solid, integral foamed PVC sheets, Kömacel residential door panelling exhibits the same durability as the superior window systems and also does not require coats of paint.
Examples of plain colours

Anthracite grey  Silver grey  Fir green  Navy blue
Colours without end

The claims are high when KÖMMERLING shows its colours. Our colours are the result of our research, development, and quality assurance, e.g. on our laminates. You can choose either wood grain or plain colour for the outside – with neutral white on the inside – or wood grain or plain colours for inside and outside. All profiles present a refined surface pattern. A UV screen of acrylic film enhances lightfastness and weather resistance. So no coats of paint are needed, ever!

Examples of wood grain laminates

Dark oak

Mahogany

Golden oak

Oak rustique
Design grows from the detail

“A picture of a window” – admiration like this is mostly directed at the outer form or the visual harmony between the building and its facade. Irrespective of whether the offset or semi-offset system is used – the inevitable result is a vivid relief with light and shadow edges rich in contrast. Transoms, mullions, and Georgian bars always trace charming networks in the facade. Accordingly, KÖMMERLING attaches great importance to concave and convex radii, on chamfers and facets. Show your profile!
Depending on your tastes, you can choose from a range of Georgian bar systems: Partitioned insulating panes are characterised by “genuine” Georgian bars, and the lower priced Viennese bar utilises aluminium spacers between the panes to simulate the look of Georgian bars. The lowest price variant is the aluminium Georgian bar arranged between the panes.
Old splendour, new values.

Old houses impress us with their visual dignity – but their structural properties leave a lot to be desired. Windows are often the worst culprit. Single glazed, rotting, and draughty, they burn holes in your pockets. No wonder that KÖMMERLING is so successful particularly in the renovation of old buildings. Every shape of window is possible – the visual beauty remains, but ultra modern structural properties move in. And your paintbrush you can throw out.

Windows of KÖMMERLING profiles close tight. They guard against noise, heat losses, storms, driving rain, and moisture.
Fully automatic ventilation

Ventilation with the windows closed – without draughts or heat losses. How is that possible? KÖMMERLING offers a basic ventilation system that provides effective protection against excess moisture and mould – without consuming energy, fully automatic, and to precise calculations: the window rebate ventilator KöClimat® plus.

The windows show nothing of this, neither inside nor outside.

KöClimat® plus

Controlled quantities of outside air enter the bottom window section through the pressure relief profiles and into the chamber between the frame and sash. Here the air is preheated before it exits at the top of the window into the room.
Rollers or hinges

Alone the classical roller shutter is an allrounder: when down it keep burglars at bay, prevents overheating in intense solar irradiation, provides the right ambience for your presentations – whether TV, slides, or video, guards against outside noise in the night, keeps the heat in, and so reduces heating costs and pollutants. KÖMMERLING hinged shutters protect your house in the traditional manner and are an appealing design element for the facade.

OmbraPlus hinged shutters for windows and outside doors give old and new buildings a completely personal profile and have much more to offer than privacy, noise and thermal insulation, and protection against forced entry.

With the front mounted, new building, and the mini add-on box, RolaPlus provides the right solution for all installation conditions in new and old buildings.
The balconies are fitted with through glazed door elements, in full recognition of the seventies style. With an impressive width of five meters, they testify to the trust that developers, architects, and window makers put in this new window technology. A further conspicuous feature is the profiles’ very slender sight line.
The old tilt/turn window must still be operated with both hands.

The neglected wooden window installed at the same time shows why PVC-U windows have had such unrivalled success. Whereas the PVC-U windows are fully operable, this window is a renovation case.

**Fully functional after thirty years**

One of the first major projects with PVC-U windows was the workers’ dwellings built in 1966 for a chemicals group in Hamm-Westtűnnen. Thirty years later the windows were examined. The examination showed that joint permeability was only insignificantly higher than prescribed in 1996 (!). The thermal and mechanical properties of the material were practically unchanged. Also the look of the profiles did not shy from the competition.
Welcome to
The website provides access to extensive information and that decisive lead in competence. Here you can learn about design, thermal and sound insulation, safety, ventilation, and durability and in addition view a survey of all window, door, and roller shutter systems. The info counter presents the most important news on windows. And informs you of our authorised window specialists near you!

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