

KÖMMERLING 70

BY

THERMAGLAZE

FEELS LIKE HOME

Impressive design, security & performance in PVCu windows & doors.

PERFECT WINDOW AND DOOR ENGINEERING

KÖMMERLING 70. Tried, Tested and Trusted.

At first glance, PVCu windows and window profiles look very similar. However, on further inspection, you'll soon come to discover that their quality characteristics can differ considerably. KÖMMERLING as a window systems manufacturer enjoys an unrivalled global reputation for our high quality products and advanced technologies and was founded back in 1897 by Karl Kömmerling.

In the first years of our long history, the KÖMMERLING Company manufactured adhesives and synthetic rubber. In 1957 we commenced PVCu roller shutter manufacturing operations and in 1967 entered the window market by starting to produce high quality PVCu window profiles.

Decades of know-how are incorporated in the window system production operations and we soon evolved into a leading systems supplier. The latest system generation of KÖMMERLING 70 with chamfered or ovolo detailing sets unique standards of performance in a PVCu window. It incorporates our comprehensive expertise, decades of research and development work, state-of-the-art CAD and 3D computer modelling and countless tests. This revolutionary window system reflects our commitment to offering best-in-breed products for our customers.



Company founder Karl Kömmerling





MORE LIGHT, HEALTHIER LIFE

KÖMMERLING 70. The perfect life investment.

Light is essential to human survival. It makes us feel happy and enhances our sense of general well-being and that's why a well-lit and inviting interior is an important aspect of an ideal living environment.

Our KÖMMERLING 70 window and door system helps you to fulfil your need for a light enriched living environment with a well ventilated atmosphere. It also makes optimum use of sunlight to reduce heating costs, even when the outdoor temperature is cold.



KEEPING YOU WARM, WHATEVER THE WEATHER

Highly engineered, energy saving windows.

Saving energy makes sense, as it puts extra money in your pocket and is good for the environment. KÖMMERLING 70 is a proven PVCu window and door system with far better levels of energy efficiency than timber windows and first generation PVCu windows.

Three aspects play an important role in window heat insulation: the profile's heat insulating properties, the insulating glass with edge sealant and the wall fixings. KÖMMERLING 70 is class leading when it comes to energy efficiency, helping to keep your home both warm and secure.

HELPING TO PROVIDE YOU WITH A SAFE AND QUIET HOME

KÖMMERLING 70. Helping to keep out the noise.

How about considering new windows from the perspective of noise? This aspect is often neglected in window purchase decisions, yet sound insulation is essential to your family's health. This is because subjectively annoying external noise can be a source of stress, distraction and disruption to your daily life.

KÖMMERLING 70 protects you and your family from noise pollution. Its innovative profile sealing technology in conjunction with sound-insulating glazing, ensures a peaceful and quiet living environment, even when you live close to a busy road. Compared with other 70 mm windows, it also offers better sound reduction characteristics.





KÖMMERLING 70. Helping to secure your home.

Burglars often break into houses through windows, balconies and patio doors. KÖMMERLING 70 offers you protection against intruders because the window is designed to accommodate anti-burglary fittings, safety glass and the latest 3 Star security cylinders.

As a result, it is far more difficult for a burglar to break open the window or smash the glass. KÖMMERLING 70 in conjunction with the window and door operating hardware deters intruders and helps to keep your home safe and secure.



- **Compliant to Document Q for New Build applications.**
- **Carries PAS 24 certification, Secured by Design and the latest British Standards (BS).**
- **Designed to accommodate the latest anti-burglary fittings.**





C70 CASEMENT WINDOW

A modern chamfered system.

Our C70 window has long been a market leader and a barometer for technical excellence. This design offers a subtle chamfer at the edge, which is perfect for the requirements of modern living where clean lines match the nature of the home or apartment design. There's also the offer of several different colours including the on trend options of Anthracite Grey or Painswick (Agate Grey).

This window can also be made available with casement horns and Georgian bars, for a more period appearance, bolstered by the options of Irish and Golden Oak lifelike foiled finishes. It's also a window that offers incredible levels of energy efficiency for a 70 mm deep window with a market leading U_w-value of 1.3 W/(m²K) and it also offers impressive sound reduction properties to 42 dB.



- **Low line gaskets and weatherseals provide lasting performance and slimmer sightlines.**
- **The full depth, central eurogroove helps make the windows and doors more secure.**
- **Five chambered system is highly energy efficient, far out performing first generation PVCu windows.**
- **Steel reinforcement is used where needed, to add additional structural strength.**





O70 CASEMENT WINDOW

A traditional ovolo system.

The O70 window shares the same five chambered profile technology for exceptional performance with the only visible difference being a decoration ovolo detailing to the edge of the window profiles and on the glazing beads. It's a perfect solution where a decorative, period detail is required, often matching to existing skirting boards.

There's the option of solid colours and true lifelike foiled finishes which benefit from extended warranties, given KÖMMERLING's commitment to a better grade of window foil laminate. It also offers the same levels of energy efficiency and sound reduction as the C70 window, but is a beautiful alternative to suit different property types and room furnishings.



- **The 'ovolo' design of O70 shows off soft sculptured lines in the frame, sash and glazing bead.**
- **Single leg glazing bead is highly secure and easy to install on site.**
- **Options also include cottage and Georgian bars to add further period detailing.**
- **Thanks to modern day security hardware and multi-point locking mechanisms, these windows are highly secure.**



A WINDOW THAT TILTS AND TURNS

Providing an inward opening and tilting window option.

Tilt and turn windows form the vast majority of PVCu window sales in Europe and KÖMMERLING has proven to be a market leader in this type of window development with cutting edge technologies. These windows can be cleaned from the inside, yet also offer a clever tilting function for perfect ventilation. They are also highly secure and offer the same impressive levels of energy efficiency and sound reduction as the C70 and O70 casement windows, along with an impressive range of colours and woodgrains.

For difficult to reach windows in kitchens and bathrooms, the tilt and turn window is a practical alternative to the outward opening casement window.



RESIDENTIAL, FRENCH AND BALCONY DOORS

KÖMMERLING 70. To open up your home.

- **Front doors, balcony and patio doors from KÖMMERLING.**
- **Excellent intrusion protection with PAS 24 and the option of 3 Star anti-snap cylinders.**
- **Maximum steel reinforcement and weldable corner joints for high stability.**
- **Wide range of standard and low threshold options.**
- **Superior protection against wind and rain.**
- **High heat insulation.**
- **Vast range of design options in a comprehensive selection of colours and woodgrain finishes.**



INSPIRING COLOURS AND RICH WOODGRAINS

KÖMMERLING 70. We've got it covered.

It is the windows that are decisive in lending your building that unique and unmistakable character. Besides size and shape, the colour scheme in particular and elegance of the materials play a vital role.

KÖMMERLING 70 is your key to a playground of huge design potential. This universal system offers an unrivalled number of finishes whether for new buildings or as a solution matching the style of renovated historical buildings. Specifically, architects, local design partners and installers find in this system the maximum freedom they need to design a new look to the fabric of any property or apartment.



Flat white

White is a timelessly elegant and neutral colour and because of the quality of PVCu from KÖMMERLING, KÖMMERLING 70 is extremely weather resistant, retaining its smooth, glossy surface. It is also easy to clean.



Foiled finishes

There are both coloured and grained foils within our range for both period inspired installations and those with a more contemporary appeal. You can also look to the benefits of dual colours for even more design freedom.

2019-2020 COLOUR PROGRAMME

The following colours and woodgrains form part of our 2019-2020 range and benefit from an upgraded surface. For other options please speak to your local KÖMMERLING partner.

Flat White – PVCu

Mahogany

Flat Ivory

Rosewood

White Ash

Chartwell Green

Cream

Painswick (Agate Grey)

Irish Oak

Smooth Slate Grey

Golden Oak

Grained Anthracite Grey



OUTSTANDING WINDOW AND DOOR CREDENTIALS

KÖMMERLING 70. With market leading design.

KÖMMERLING 70 is uncompromisingly good. It offers you all the benefits of a modern PVCu window, from cutting edge technological design to function, along with outstanding performance credentials and sympathy to the environment. It is also designed to satisfy future needs and requirements.

Ease of care

The high quality surfaces are extremely weather resistant and easy to clean.

Convenience in use

All the latest fittings technology and all current opening concepts are possible for simplicity and convenience in use.

Heat insulation

The insulating chambers and ProEnergyTec versions guarantee excellent heat insulation.

Ventilation - optimised

KÖMMERLING has an optimised ventilation programme that ensures a pleasant climate in the living environment.

Sound insulation

Combined with high quality functional glazing, the KÖMMERLING 70 system provides optimum sound insulation up to 42 dB.

Value

High quality, premium and environmentally friendly PVCu profiles that use a greenline lead free compound, to ensure durability and enhance the value of your property.

Intruder protection

The window profiles are designed for the use of special security fittings and additional anti-burglary measures.

70 mm

The window profile expanded depth doesn't just enhance the appearance of a new building, it is also perfect for renovation projects with heritage design features and enhanced energy saving requirements.

Seal tightness

The innovative seal levels keep out draughts, dust and rain to create a pleasant living environment.

Design

Slim profiles enlarge the transparent glass surface. They are also available in a comprehensive range of foil laminate colours, in wood finishes, in plain colours, and with an aluminium exterior for architectural appeal.

Recycling and sustainability

KÖMMERLING and its parent company profine, leads by example when it comes to caring for the environment with industry leading recycling policies and the ISO 14001:2015 standard.

Stability

Optimally dimensioned steel reinforcements deliver perfect window statics in terms of stability and long-term performance.



- **Optimised and resource-saving use of materials.**
- **Green lead-free stabilisers with the greenline label.**
- **Reintroduction of recycled materials to the core of our PVCu profiles through professional recycling.**
- **Major contribution to CO_2 reduction as a result of excellent heat insulation properties with KÖMMERLING 70. You use less heating energy and reduce your impact on the environment.**



RECYCLING AND SUSTAINABILITY

KÖMMERLING 70. The green window.

KÖMMERLING 70 is designed according to green principles that underpin the KÖMMERLING brand and profine Group. Optimum function and insulation values, plus the best possible use of materials, are the objectives that we have achieved with this new system generation. As little as possible and as much as necessary is the best motto for sustainable environmental protection. This is the only way to conserve valuable natural resources.

KÖMMERLING 70 is also made of a PVCu that has the greenline label. In other words, no lead has been used to stabilise the PVCu. Instead, an environmentally friendly calcium-zinc based stabiliser has been used. And what happens at the end of its life cycle? The old window components are used to make new ones. Our recycling initiative facilitates a sustainable materials cycle. When the proEnergyTec profiles are filled with a foam, only green propellants are used and so during the recycling process, the foam and PVC can be cleanly separated from each other.

greenline

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SHOWROOM TO SEE THE REAL THING!
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