



KÖMMERLING®

*Europe's and Asia's N° One
for PVC-U Window Profiles*



WINDOWS FOR LIFE



Европаның бейше РТОО



Kömmerring – Europe's and Asia's number one for PVC-U window profiles

In 1997 KÖMMERLING celebrated its 100th birthday. KÖMMERLING is a corporate group with its headquarters in Pirmasens, Germany, and a number of other production sites abroad. The concern employs over 1900 staff worldwide. Its product spectrum comprises PVC-U profiles for window sashes and frames, door systems, roller shutters, folding shutters, balconies, and fencing, and, for the building and advertising sectors, special PVC-U sheets and panels.

Nowadays KÖMMERLING is Europe's leading manufacturer of PVC-U window and door profiles. The KÖMMERLING concern draws on longer experience in this field than any of its competitors worldwide. The parent company has its headquarters in Pirmasens, Germany, and operates six other production sites, in France, Italy, Spain, the USA, China, and Brazil.

Quality ranks very highly among KÖMMERLING priorities. Its quality management system has been awarded the British Standards Institute (BSI) certificate. KÖMMERLING products are thus sure of meeting the most stringent quality requirements.



Beautiful things –
it is said - have the advantage
of being noticed most readily
and indeed windows with profiles
made by KÖMMERLING are strikingly
attractive and
harmonious.

They lend fresh aesthetic beauty
to new and old buildings alike.
The windows in your house put
«*the sparkle in its eyes*».

Windows at their most b



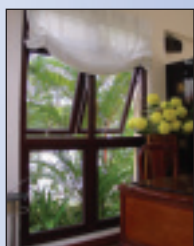
PVC-U windows from KÖMMERLING
are based on a carefully designed profile concept
that permits many different window structures
with innumerable variants and
in a range of woodgrain finishes.
With KÖMMERLING products you can implement
your very own personal style -
windows in all shapes and styles:
rectangular, polygonal, round, or extra large surface,
the boundless variety of transoms and staves.
When it comes to making your ideas reality,
profile systems from give you virtually
unlimited freedom.



windows at their most beautiful



Beautiful





Maxim

Maximum water tightness and wind resistance



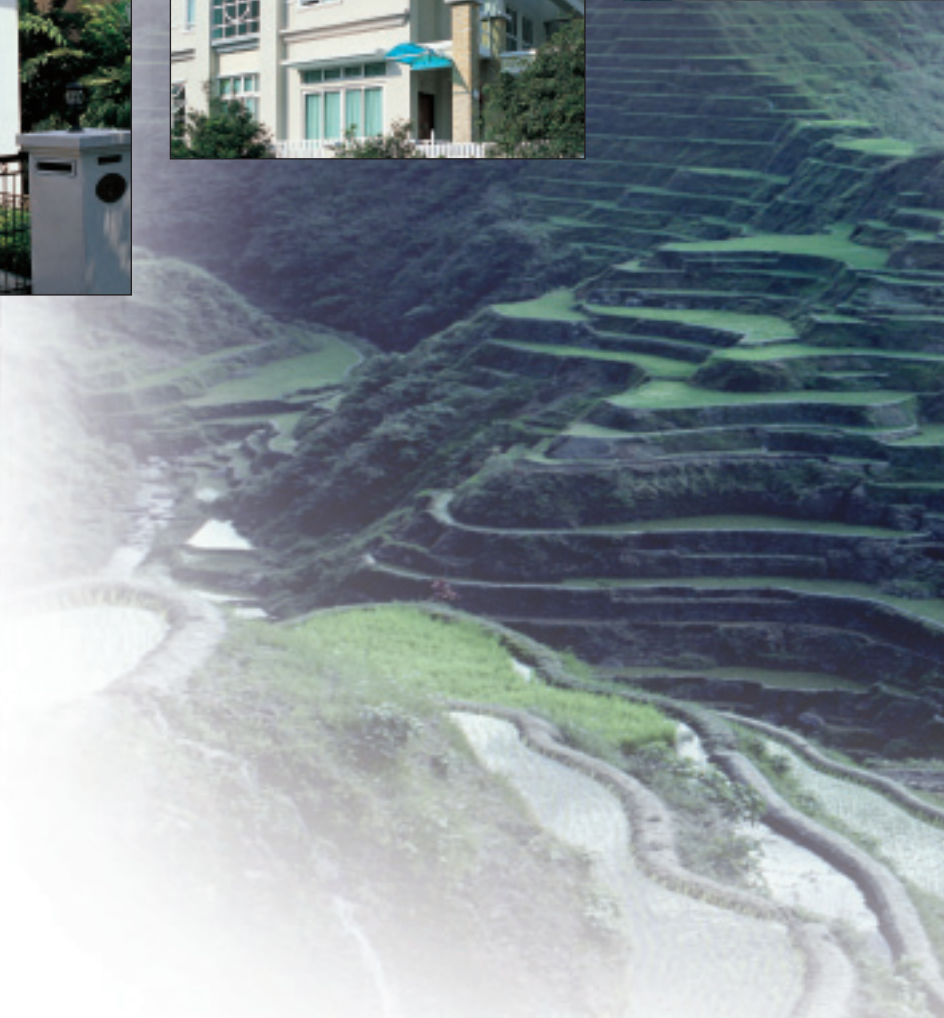
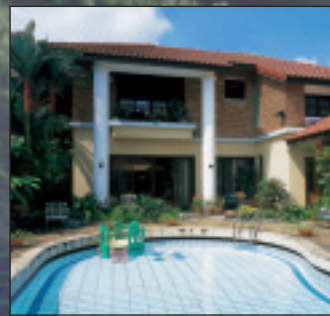
KÖMMERLING PVC-U window and door systems have been successfully used in swimming-pools, marine and ocean environments without detriment to the surface finish or performance.

One of the main assets of KÖMMERLING window and door systems is their *resistance* to driving rain and their joint *tightness*. KÖMMERLING PVC-U profiles fulfil the demands of DIN 18055 (Resistance to driving rain). All window types are designed to be *watertight* when tested up to 300 PA limit specified in BS 6375: Performance of Windows Part 1, 1989: Classification for weather tightness. Some types achieve a 600 PA rating.

Due to their excellent material properties, KÖMMERLING PVC-U windows and doors are ideal for being installed in buildings close to the sea where they are permanently exposed to strong wind, heavy rain and salty air. The windows have passed several severe tests by official institutions. All window types are capable of withstanding the tests specified in BS 5368, Part 3 1978 (wind resistance test up to a wind pressure of 2400 PA). Therefore, KÖMMERLING profiles can also be fitted in highrise buildings without any problems.



Water Tightness





Protect your house
against excessive heat,
save energy costs,
and improve
your quality of life

Nowadays, whether old building or new, period house or new estate, windows are rated in terms of certain measurable constructional and physical characteristics. One particularly significant feature is their ability to protect you against *heat*. Inefficient windows in a building may be one of the main reasons for substandard insulation. PVC-U windows, by way of contrast, help you not only to *save money* (because more efficient thermal insulation also means you cut the amount of energy you consume in cooling your house) but also to *reduce the harmful emissions polluting our environment*.

Even very difficult climatic conditions, such as extreme temperatures or salt-laden sea air, cannot stop PVC-U windows from doing their job. They need no time-consuming, labor-intensive care. Their long useful life, dimensional stability, and robust surface ensure that you will enjoy your PVC-U windows for a long, long time to come.



when it comes to windows

The number of break-ins is increasing all the time.
And burglars usually find their way in via the windows – mostly in broad daylight. To make things as difficult as possible for such unwelcome «guests», you should play safe - *especially with the windows.*

You can achieve really effective protection against unpleasant surprises of this nature with a combination of special glass and KÖMMERLING PVC-U window profiles. KÖMMERLING window sashes and frames are made from stable, highly impact-resistant multi-chamber PVC-U profiles with integrated steel reinforcements.

Burglar-resistant security hardware with special mushroom lugs is also available on request, providing you with the maximum security achievable for your windows.

Our anti-burglar system is rounded off with lockable handles which in households with small children should be *the natural choice* anyway.



Security when it comes to

Security:
- play safe!





Termite resistance

In tropical climates wooden windows and doors are often destroyed by termites, whereas PVC-U windows and doors are fully *resistant to these insects*.

Thanks to the *highly developed* KÖMMERLING material compound of PVC-U windows and doors termites are not able to attack the PVC-U profiles.





Protecti



Protection of Air

on against noise – for the sake of your health



Noise stress is one of the major causes of illness. It not only damages one's hearing; it also leaves persistent marks on the human psyche. Effective protection against unwanted noise has, for many years now, been not merely a question of comfort but a decisive factor affecting one's health.

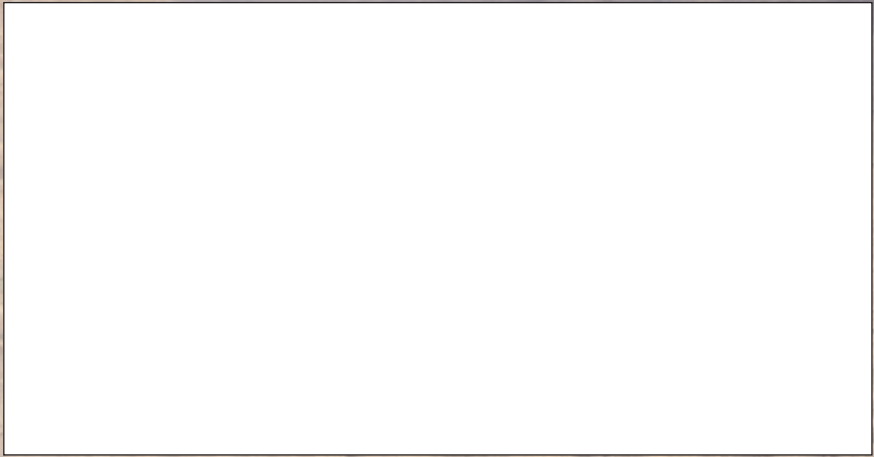
Since windows are – literally – the thinnest parts of a building's shell, they play a decisive role in the acoustic absorption values of your house. Especially in buildings located alongside roads with heavy traffic or in the close vicinity of airports, *efficient noise insulation is a critical requirement.*

The usual practice in such locations is to fit multi-pane insulation glass. Even better acoustic absorption values can be achieved with special composite laminated glass. The relationship between physically measurable noise levels and the way in which these are perceived by the human ear can be summed up roughly as follows: 10 dB quieter halves the ambient noise perceived by the human ear, 10 dB louder doubles it. And heavy traffic generates a noise level of around 75 dB.



By fitting PVC-U windows combining KÖMMERLING high-grade, multi-chamber profiles and special insulation glazing *you can reduce this noise to around 45 dB* and thus inside the house hear only around 1/24 of the external level. You can then keep your calm - because traffic noise is almost completely muted. And even in the flight paths round our major airports you will no longer wake with a start from your sleep.





Windows

profine GmbH

KÖMMERLING KUNSTSTOFFE • Postfach 2165 • D-66929 Pirmasens
Tel.: (+49) 6331 56 - 0 • Fax: (+49) 6331 56 - 2475 • www.koemmerling.de • koemmerling@profine-group.com