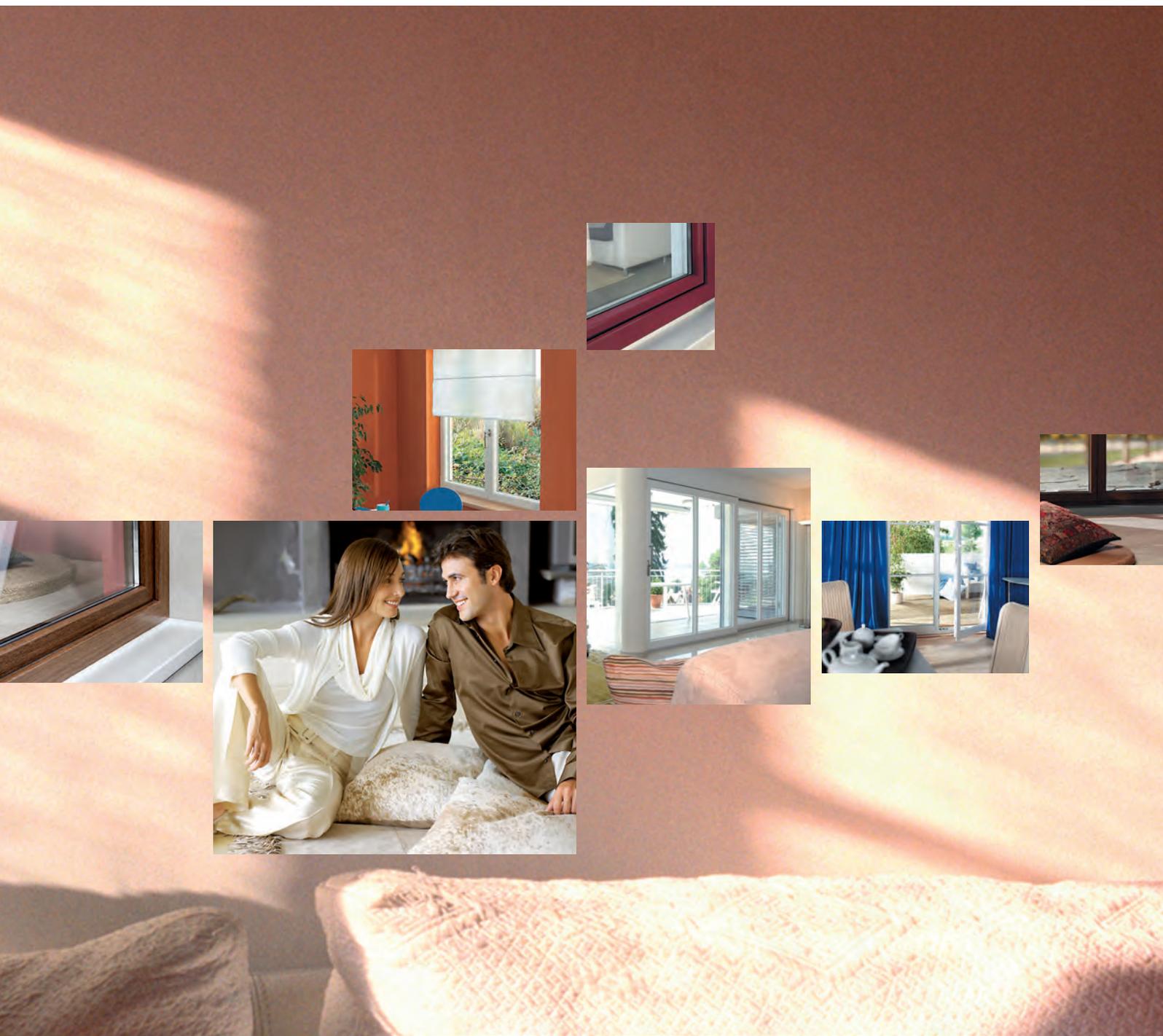


Living space for a better quality of life



Comfort  
Aesthetics  
Innovation  
Economy  
Ecology

my house  
my windows



# Form and Function

## Profile systems by GEALAN

Not all uPVC windows are the same. The differences in the design of the profiles have a decisive influence on the technical properties of the window. Windows made of the latest GEALAN profile systems set new accents not only visually. Profile systems, meticulously designed down to the last detail, meet all technical requirements: Whether it is thermal insulation, noise protection, protection against burglary or ventilation – windows made of profiles by GEALAN are state-of-the-art.



### Resistant

Windows made of uPVC profiles are low maintenance and easy to clean. Thanks to their high resistance to weathering and environmental influences, they have a long life.

### Flexible

Modern window technology can be realised with due regard for different tastes and architectures – not only in white but also in acrylcolor or with a decor or wood-grain laminate too.





## Individual

The choice of the profile geometry, opening mechanism and window pane subdivision influences the individual character. Using GEALAN profile systems, unusual window shapes can be created, too.

## Convenient

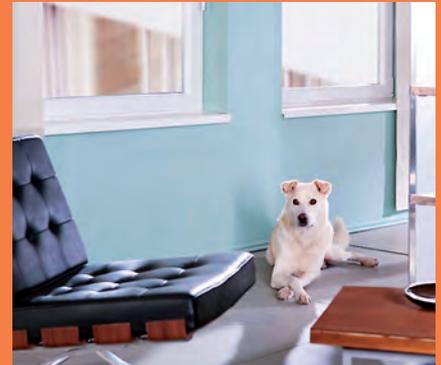
Windows made of uPVC multi-chamber profiles by GEALAN ensure that noise stays outside and warmth inside. They provide security and comfort and exude an unmistakable living atmosphere.



# Security

## Complete break-in protection system

Protection and security are two fundamental human requirements. If you want to feel secure within your own four walls, you can't leave anything up to chance. You should go by the motto "Trust may be a good thing, but control is better" and insist on a window construction that inhibits break-ins because fifty percent of all burglars get in through the window, not the door. They simply lever out the window in a matter of seconds, but you can prevent this by choosing burglary-resistant windows. Construction depth and enhanced material thickness along with additional barriers and secure screw fittings in the window frames and casements are con-



vincing security arguments for windows made of GEALAN profile systems. To be completely on the safe side, we put our windows to the acid test. An authorised testing institute has certified that our windows offer security in regard to their construction and various opening mechanisms in all intended areas of application. You can be sure of that.



# Thermal Insulation

## How to save hard cash

Windows made of GEALAN uPVC profiles help saving hard cash. The natural insulating properties of PVC alone ensure outstanding thermal insulation. These qualities are enhanced by the construction depth of up to 83 mm and the multi-chamber profile design with up to six chambers. In this way, the heat stays inside and the cold outside. With windows made of GEALAN profiles you save a lot of money and considerably improve living comfort while making a significant contribution to environmental conservation at the same time.



YOU CAN CALCULATE YOUR PERSONAL SAVINGS POTENTIAL QUITE SIMPLY. YOU WILL FIND USEFUL INFORMATION AND TOOLS TO HELP YOU IN THE INTERNET.

[www.gealan.de/energiesparrechner](http://www.gealan.de/energiesparrechner)

# Noise Protection

For a better quality of life

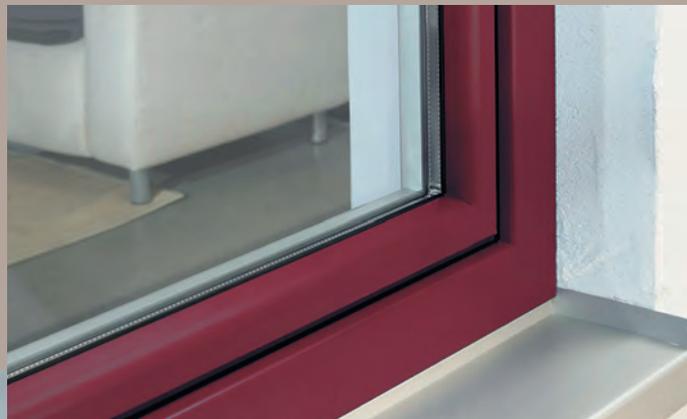
Too much noise damages your health. Sleeping disturbances, loss of concentration and tension are only a few of the negative effects noise has on the human body. That's why noise protection and sound insulation have become an important health aspect. Windows made of GEALAN uPVC profiles with multi-chamber technology provide effective protection against excessive noise. With the corresponding glazing, they have good sound insulation properties. In this way, windows made of GEALAN profile systems considerably improve noise protection and sound insulation, thus enhancing your quality of life.



# No Compromises

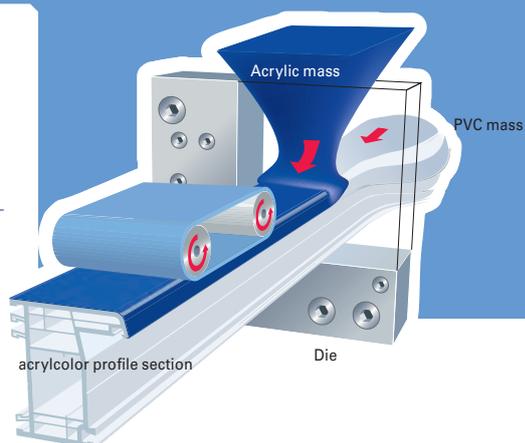
## Aesthetic demands and innovative technology

GEALAN profile systems for windows and doors are made using the extrusion moulding method. The ductility of the base material enables a wide variety of different shapes in the profile geometry, thus allowing us to meet many different requirements in regard to the optical appearance. In terms of colour, GEALAN profile systems leave nothing to be desired either. No matter whether they are fitted in modern buildings or old ones, as an architectural design feature, GEALAN profile systems influence the aesthetics of the façade to a very great extent. And while they satisfy all optical demands, they also provide all important technical functions, such as noise protection, thermal insulation and ventilation.





TRIED AND TESTED QUALITY: GEALAN HAS BEEN PRODUCING COLOURED ACRYLCOLOR PROFILE SECTIONS USING THE COEXTRUSION METHOD FOR MORE THAN 30 YEARS. THIS INNOVATIVE TECHNOLOGY DIFFERS CONSIDERABLY FROM CONVENTIONAL COLOURING PROCESSES.



# The Fascination of Colour

## Colour resistance

Coloured window frames accentuate the design of the façade. In this way, residential houses become attractive eye-catchers with their own unmistakable "calling card". Not even the most unusual designs or typical colour nuances of a region pose a problem. When our windows show their true colours, variety is the order of the day with shades to suit every environment. All tones are covered, from elegant white to fine slate grey. It also goes without saying that they are non-fading and RAL-tested – because quality has top priority for GEALAN with coloured plastic windows too. That is why we manufacture our acrylcolor profile sections using a special colouring process in which the white PVC base element and the coloured acrylic glass are bonded together inseparably.

The outer, coloured acrylic glass coating is scratchproof and highly resistant to weather influences, such as sunlight, wind, rain, cold and temperature fluctuations. The silk-matt, smooth and non-porous surface is resistant to deposits of dust and dirt and, because there is no flaking or chipping, there is no need for inconvenient repainting. acrylcolor windows are virtually maintenance-free and extremely easy-care. They repel dirt and can be cleaned with standard cleaning agents. The unsurpassed colourfastness of the acrylcolor profiles remains a fascinating feature for the entire life of the windows.



### acrylcolor is ...

- |   |   |
|---|---|
| 1 | not a varnish coating or a laminate                           |
| 2 | approx. 0.5 mm thick, which is more than all varnish coatings |
| 3 | scratchproof and non-sensitive                                |
| 4 | inseparably bonded with the profile section                   |
| 5 | protected against flaking and chipping                        |
| 6 | easy-care and low-maintenance                                 |

# acrylcolor

# Elegant Embellishment

## Wood decors

When designing façades, there is a good alternative for those people who value a natural appearance without dispensing with the advantages of modern window technology at the same time: plastic windows with a wood decor look. They are equally well suited as classical style features in the renovation of old buildings, as well as design elements which blend in with the landscape. Discerning architecture is given a special aesthetic touch with wood decor windows. On request, wood decor windows from GEALAN can be supplied with a double-sided laminate. Brown-coloured profile sections are used here for optical reasons, thus producing a natural look when the windows are open too, and further emphasizing the decorative effect of wood.

Modern window technology is implemented in line with the house type and your own personal ideas. Your GEALAN partner would be pleased to tell you all about the extensive decor programme we offer.





# Living Climate

## Comfortable and cosy

A regulated exchange of air is essential, particularly in moist rooms such as kitchens and bathrooms. Too much air humidity impairs the room climate and promotes the growth of mould fungus. To achieve high thermal insulation values, plastic windows were designed to close tighter and tighter over the years, but these extremely tight-fitting windows precluded constant gentle ventilation. You were faced with the choice between mould and draughts – until GEALAN came up with the solution in GECCO.

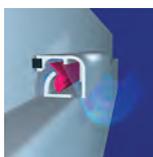
## GECCO

### The little flap with an IQ

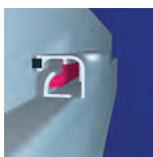
The regulated exchange of air between the outside and the inside is the prerequisite for a pleasant room climate and enhanced living comfort. The systematic regulation of room humidity and temperature ensures that you are not bothered by mould fungus, which often occurs when windows fit too tightly. That is why the automatic ventilation system GECCO (GEALAN Climate Control) is available on request for all GEALAN windows. The little flap with the great effect turns regular windows into ventilated windows and initiates the regular intake of air for your own, personal “feel-good climate.”

#### The advantages of GECCO:

- Optimum exchange of air at normal air pressure
- Constant gentle ventilation (even at night and when you are on holiday)
- No draughts, even in high winds
- No improper operation possible
- Works automatically
- High level of noise protection
- Good thermal insulation
- Good price



Flap open



Flap closed





Despite highly developed automatic ventilation systems, regular airing is still important. Based on the system of a hygrometer, the innovative **"GEALAN Air Watch"** airing indicator shows the occupants of a house when the air inside a room has been used up and a window should be opened.

# Variety

## In colours, shapes and technology

Profile systems by GEALAN provide house and apartment owners with unlimited creativity in regard to design. In addition to convincing functionality, they have the great advantage that virtually every window shape can be constructed. The renovation and modernisation of old buildings can be realised without any problems. Even

the strict regulations that apply to buildings of special historical or architectural interest are no problem because plastic windows can be manufactured in virtually all shapes, sizes and colours and can be opened and closed by any desired means.



# Window Technology

Innovative technology – quality without compromise

Windows and doors dominate the architecture of a building to quite a considerable extent. They interrupt the façade from an optical point of view, thus setting individual accents. The functions that a window has to fulfil are many and varied; they have to let in light and fresh air, provide a view in and out, keep out cold and noise

and darken interiors – to name only a few. GEALAN uPVC profile systems form the basis of a comprehensive product range of windows, doors and roller shutters. No matter whether you opt for a rebate sealing or middle sealing system with offset or semi-sunken frames, GEALAN profile systems satisfy all demands.

## Multi-Chamber Systems

If you opt for uPVC windows made of GEALAN profile systems, you will make the right decision. Depending on your requirements, you can choose from different types of profiles. The centre seal system S 7000 IQ has five chambers, a construction depth of 74 mm and outstanding thermal insulation properties. The rebate seal system S 8000 IQ has a construction depth of 74 mm and comes with four, five or six chambers. It is an all-purpose product, meets all technical requirements and is timelessly beautiful. In addition, we offer the centre seal system S 7000 IQ plus and the rebate seal system S 8000 IQ plus, both with a construction depth of 83 mm and six chambers.



## Tested Quality

Producing consistently high quality is not only a matter of having many years of experience in extrusion technology. At GEALAN, quality begins with the extensive inspection of incoming raw materials and continues through various test processes conducted by qualified staff members during and after the extrusion process. The high quality of GEALAN profile systems is also confirmed by the material and system tests conducted regularly by acknowledged testing institutes. And it goes without saying that GEALAN profile systems are subjected to RAL quality monitoring. The system tests also confirm the windows' water tightness under heavy rain, good heat insulation properties and sound insulation. Internationally approved, neutral testing institutes also confirm the high quality of GEALAN products – because GEALAN is at home all over Europe.



## Range of Accessories

As one of the leading manufacturers of uPVC profile systems for windows and doors, GEALAN offers a comprehensive range of accessories in top quality. Whether ventilation in the window area and thus improved indoor climate, spacious and barrier-free construction, protection against light, sound or insects or energy saving by the use of modern and heat-insulating technology – GEALAN's wide and innovative product range for windows, doors and roller shutters provides for a higher living comfort. Your GEALAN partner will be pleased to provide you with detailed information and advice on all products.



# GEALAN Eco Agreement

## Commitment to recycling

Even before the recycling and waste law came into effect in Germany, GEALAN was offering its customers recycling in the form of a "GEALAN Eco Agreement" in which the profile section manufacturers and specialist window businesses agree to reprocess old plastic windows along with the profile section residue that accumulates when making windows. The goal is to introduce the materials to a closed PVC recycling system with a complete ban on disposal

because the high-grade product PVC – a thermoplastic material made from the natural raw materials crude oil or natural gas with table salt – is far too valuable to end up in a dump or waste incinerator. Because it is 100% recyclable, it is ideally suited for reprocessing. The PVC contained in old windows can also be granulated and reprocessed, thus making PVC one of the most recyclable materials around.

Our commitments:



**EMAS**  
GEPRÜFTES  
UMWELTMANAGEMENT  
DE-S-106-00003  
DE-S-154-00004



**B.A.U.M.**



ARBEITSGEMEINSCHAFT  
PVC und UMWELT e.V.



The pieces of profile section that accumulate during the manufacturing process of plastic windows are collected along with the PVC from old windows (photo left). New profile sections with a recycled core are made from them with the help of the coextrusion process (photo right).



Your GEALAN partner would be pleased to advise you: