



INNOVATION MIT SYSTEM

GEALAN-KONTUR®

The premium system with  
aluminium option

The new  
perfection





## GEALAN-KONTUR®

### AS UNIQUE AS YOUR IMAGINATION

Appealing, leak-proof and secure: With the premium system GEALAN-KONTUR®, top performance values, from sound insulation to burglary protection, are a matter of course. But the wide range of design options offered by the GEALAN system is anything but!

It features contemporary window design with a focus on linearity: Glazing strips with an angular look for the interior are available to match the modern exterior view.

As a PVC profile system, GEALAN-KONTUR® offers not only the latest design language, but also a wide range of surface design options. In addition to classic surfaces and a comprehensive foil programme, you can also opt for the GEALAN-acrylcolor® PMMA finishing.

In addition, GEALAN-KONTUR® enables a trendy aluminium design thanks to simple cladding – in an extensive range of colours from the RAL colour range.



## ELEGANT. ROBUST. VERSATILE.

GEALAN-KONTUR® is the all-rounder among modern PVC profile systems.

With its sleek, clear design language on the outside and inside, the system sets accents in terms of window design. Narrow visible widths and a maximum amount of glass also provide more light indoors.

Otherwise, these lean profiles offer loads of security and stability! Optionally with two materials that perfectly complement one another: With its multi-chamber system, proven PVC ensures top thermal insulation, while trendy aluminium offers a strikingly modern appearance as well as additional protection against weathering.

A construction depth of 82.5 mm makes the GEALAN-KONTUR® suitable for new building projects as well as in the renovation sector.



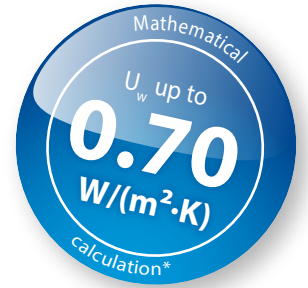
### Innovative performance characteristics:

- Style-oriented design language
- Outstanding burglary protection
- Wide range of surface designs possible

# GEALAN-KONTUR®

## highlights:

- 82.5 mm installation depth for frame and sash
- 3 sealing levels for optimal thermal insulation
- Glass thicknesses of up to 56 mm, glass thicknesses up to 66 mm possible when using special aluminium-cladded sashes
- 4° bevel in the arcing
- Back of the frame suitable for existing 82.5 mm platform
- Fixed central gasket dome in the frame
- IKD® foam can be used throughout in all frame constructions
- Extremely easy-to-clean frame rebate



\* Calculated with  $U_g = 0.5 \text{ W/(m}^2\text{K)}$  and "Ultimate Swisspacer" edge spacer ( $\psi = 0.030 \text{ W/(mK)}$ )

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*Universal sash rebate*

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*Outstanding static values*

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*5 chambers in the sash*

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*Slim visible width*



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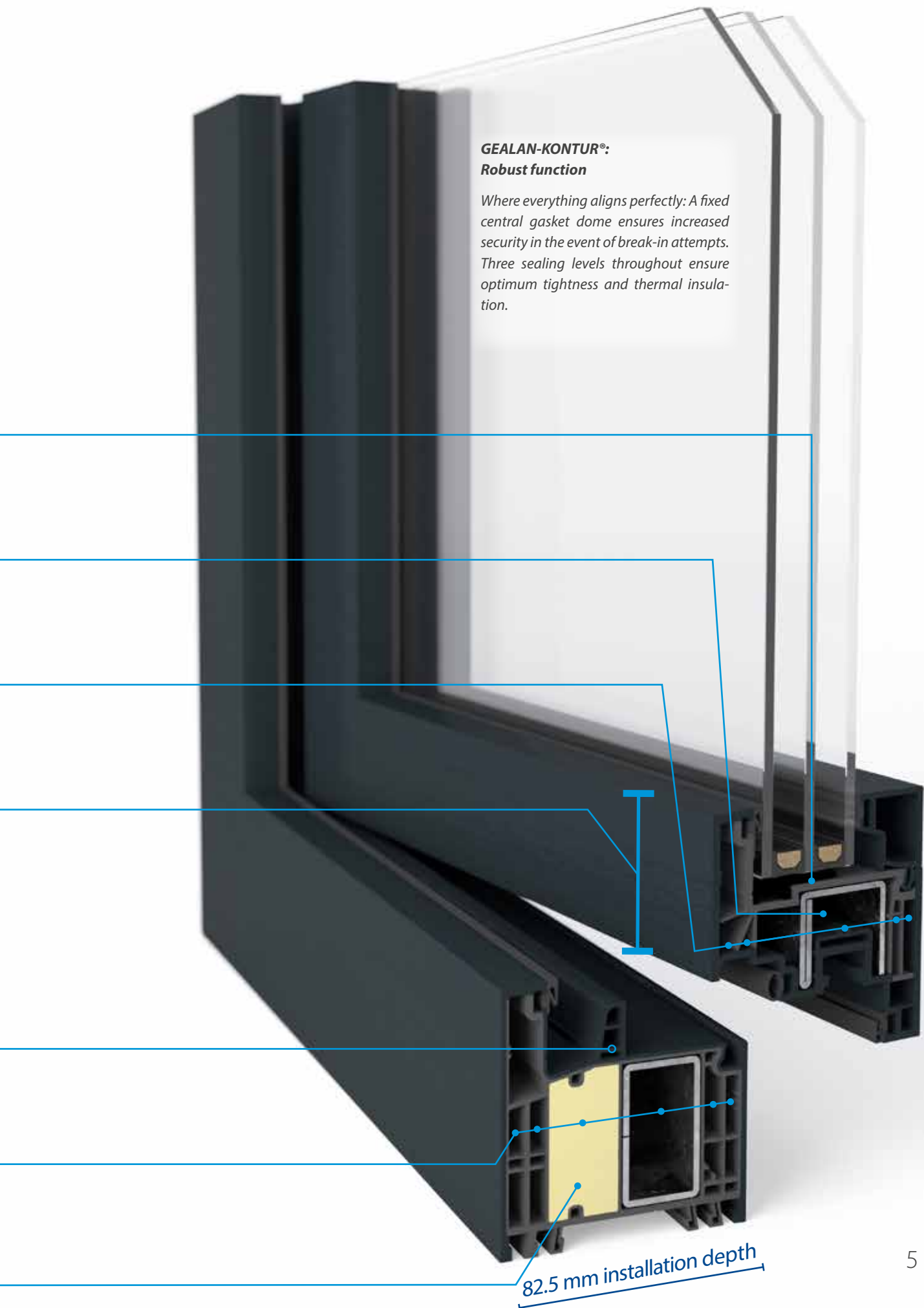
*6 chambers  
in the frame*

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*Large IKD®  
chambers*

**GEALAN-KONTUR®:**  
**Robust function**

*Where everything aligns perfectly: A fixed central gasket dome ensures increased security in the event of break-in attempts. Three sealing levels throughout ensure optimum tightness and thermal insulation.*



82.5 mm installation depth



## For special demands

Unlimited design freedom – the GEALAN-KONTUR® system leaves plenty of room for customisation in terms of surfaces and colours.

### **GEALAN-ACRYLCOLOR® - THE PREMIUM SURFACE**

Our PMMA surface technology GEALAN-acrylcolor® enhances PVC windows with unique properties. Benefits you can see and feel: colour fastness, durability, resistance to dirt. The silk-matt exterior surface remains weather-resistant and timelessly elegant for decades. In future GEALAN-acrylcolor® will be available in numerous standard and special colours in the GEALAN-KONTUR® system.



*GEALAN-acrylcolor® is possible in all available RAL colours*



### **WIDE RANGE OF CUSTOMISATION OPTIONS**

A wide selection of decorative foils enables windows in numerous colours and designs. You choose how the foils are applied: either on the outside or both sides, in a uniform design or in different colours on the outside and inside. Plus, the films are available with different surface structures – from classic structures, to matt surfaces, all the way to window profiles with RealWood wood foils\*.

*\* These foils are not made of actual wood.*



Installation acc. to  
Austrian standard ÖNORM  
B5320 possible

## ROBUST ALUMINIUM FINISH

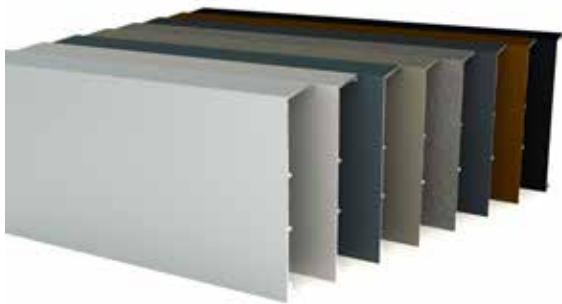
GEALAN-KONTUR® PVC profiles are optimised for combination with different aluminium cladding surfaces for even greater design freedom with the GEALAN system.

Visually, the modern aluminium look on the outside of the window underscores the architectural trend towards linear, angular window design.

In addition, the aluminium cladding surfaces are not only strikingly elegant, they are also extremely weather-resistant.

One special feature of the GEALAN-KONTUR® system that makes even more design variants possible: It includes a sash profile that can only be combined with aluminium cladding surfaces for reduced visible and overlap widths.

With the wide range of RAL colours and special aluminium colours, you can tailor the colour design to your personal taste both inside and out.



Cladding surfaces are possible in all available RAL colours



GEALAN-KONTUR® with aluminium cladding surface

RESISTANCE CLASS UP TO

RC3

PLANNED



Feel safe in your home:

### **BURGLARY PROTECTION INCLUDED**

The sophisticated GEALAN-KONTUR® profile geometry is both sturdy and difficult to break into. Most burglaries are committed by levering out the windows – the intruder inserts a screwdriver between the frame and the sash. GEALAN-KONTUR® puts a stop to these external forces: On the fixed central gasket dome, burglar's tools come up against an effective barrier in the profile.

The profile geometry of GEALAN-KONTUR® was optimised specifically with burglary protection in mind. Reinforced profile crosspieces at important points of attack support the overall concept.



*The fixed dome ensures even greater security for your home*

*Fixed central gasket dome*





Static Dry Glazing

## GOOD BONDING FOR DOUBLE THE STABILITY

While the window frames in the GEALAN-KONTUR® system already ensure excellent static values thanks to adjacent steel, the sash features a very large steel chamber. This allows for reinforcements with higher inertia torques to be accommodated.

### Yet another innovation:

The STV® Static Dry Glazing bonding technique developed by GEALAN. By bonding the pane to the sash profile, the rigidity of the glass pane is transferred to the sash. The entire system becomes more stable in itself, providing greater and more effective protection against attempted break-ins.

**GEALAN-KONTUR® can also be bonded using wet-bonding. This means:**

- Burglary protection up to RC 3 is possible
- Larger window elements with even more glass are possible
- In some cases, steel doesn't have to be used at all

The bonding technique reduces the required maintenance too: The window casement no longer has to be readjusted, unnecessary thanks to activation of the glass pane as a static element.



*\* Calculated with  $U_g = 0.5 \text{ W/(m}^2\text{K)}$  and "Ultimate Swisspacer" edge spacer ( $\psi = 0.030 \text{ W/(mK)}$ )*

## Thermal insulation

### **ENERGY-EFFICIENT AND ENVIRONMENTALLY FRIENDLY**

Three continuous sealing levels in the GEALAN-KONTUR® system enable an optimised seal, while the centre sealing level ensures that the heat flow is interrupted.

Intensive core insulation IKD® helps to optimise the thermal insulation values of windows and doors. If the large-dimensioned chambers of the profiles are foamed with IKD® technology, the cold stays outside in freezing winters, keeping your home nice and cosy.

If GEALAN-KONTUR® is wet-bonded and no steel is used, IKD® foam technology can also be used in the sash. The outcome: With foam insulation and without steel, the window's thermal insulation values are increased further.



GEALAN-KONTUR® frame with 2 large IKD® chambers

# SOUND INSULATION

## KEEPING SOUND OUT

Windows are the parts of a building most susceptible to external noise pollution. For lasting health and comfort, windows play a crucial role in the system. Construction-depth profiles that support multiple glazings with fully closing seals cut off your living spaces and workspaces from bothersome sources of noise.

The all-rounder GEALAN-KONTUR® can accommodate sound insulating glass with a thickness of up to 56 mm. Using special aluminium-cladded sashes even enables glass thicknesses of 66 mm.

Every person perceives noise differently. A nightly continuous noise level of more than 45 decibels due to street or rail traffic interrupts your sensitive sleep. This noise level can be compared with a radio playing quietly or faint background conversations. Continuous noise levels of more than 60 decibels can cause permanent damage to your health. This level corresponds to a television running at normal volume, for example. That is why windows with sound insulation properties, like those made possible with GEALAN-KONTUR®, play an important role in a healthy lifestyle.





## A sustainable system

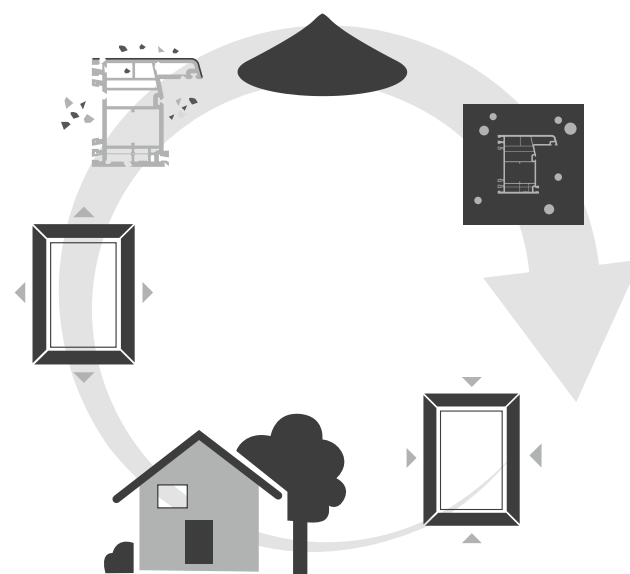
GEALAN's development and production are environmentally friendly – recycling was also considered in developing the GEALAN-KONTUR® system. All residual plastic resulting during the production of GEALAN profiles is recycled 100% and reused in production.

GEALAN PVC profiles contain a high ratio of recycled materials. They are energy-saving products thanks to their thermal insulation values and are certified to be long-lasting.

At the end of their lifecycle, windows with aluminium cladding are also 100% recyclable.

**For GEALAN, sustainability is more than just a trend – we consider our processes from end to end and have done so for over 25 years.**

- GEALAN has been EMAS-certified since 1996 and meets the highest environmental standards
- We continuously invest in state-of-the-art recycling technology
- 100% of our electricity comes from renewable energy sources
- We reduce our transport routes by continually optimising our logistics



*All residual plastic resulting during the production of GEALAN profiles is recycled 100% and reused in production.*

Your specialist dealer would be happy to advise you:

