



INNOVATION MIT SYSTEM

Lift-slide doors

GEALAN S 9000 HST



More light than ever

# VERSATILE

## STATE-OF-THE-ART APPEARANCE WITHOUT LIMITATIONS

Sliding elements are a classic design feature in modern living, with large expanses of glass conveying a feeling of well-being and elegance. GEALAN's new S 9000 lift-slide door more than fits this bill from a visual and functional point of view.



### Performance

Even standard version doors distinguish for the best thermal insulation characteristics, optimal application possibilities and innovative solutions.

$U_i$  iki  
**1,3**  
W/(m<sup>2</sup>·K)

### Outstanding thermal insulation

Very good thermal insulation value of  $U_i = 1.3$  W/(m<sup>2</sup>K) already in the basic variant of tilt/slide doors.



### Versatile

Thanks to various design options, different types of opening mechanisms and a wide range of colour options for the surfaces.



### Triple glazing

Triple glazing of windows up to a thickness of 52 mm can be used, and up to 54 mm glass packages when using the STV® 54 glazing technology.

**ac**  
acrycolor

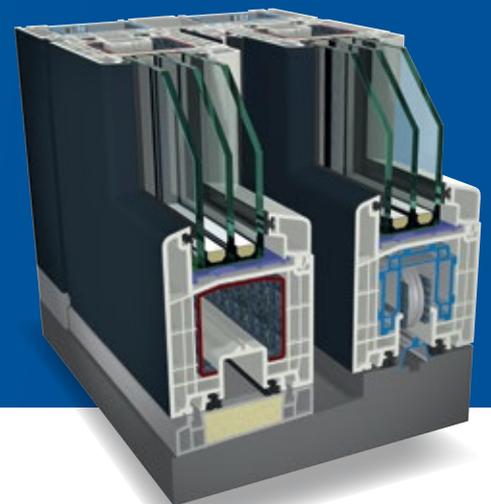
### ACRYLCOLOR

Lift-slide doors can also feature coloured ACRYLCOLOR profiles. The range of durable and sunfast colours offer comprehensive engineering and design possibilities.



### Design-oriented

Narrower wing glazing profile for a higher share of glass in the stationary field and standard thermal properties.



# ATTENTION TO SMALLEST DETAILS

## ADVANTAGES IN ALL AREAS

The new S 9000 lift-slide door achieves a very good thermal insulation value of  $U_i = 1.3$  W/m<sup>2</sup>K already in its basic variant. By applying additional targeted measures, this value can be enhanced up to the passive house-compliant top value with an average value of  $U_i = 0.95$  W/m<sup>2</sup>K. Further advantages of the system include the option of triple glazing up to a thickness of 52 mm (54 mm in case of STV®), a low installation depth of only 190 mm in the frame, 50 per cent narrower Design type frame of the stationary element, which are the results of a long and thorough work of the GEALAN engineers.



\* Lift-slide doors  
 $U_w$  may be 0,8 W/(m<sup>2</sup>·K)

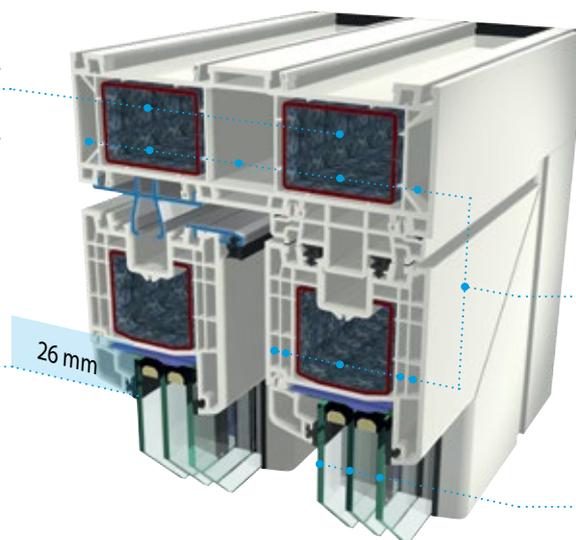


## CREATING COMFORT HAS NEVER BEEN THIS EASY

*Large door elements can be moved with ease with our technology. It does not matter whether the door is open or closed. Either way, the room is flooded with light. And the virtually threshold-free floor junction further offsets the separation between the interior and exterior.*

*Two separate bracing cores in separate profile chambers guarantee the thermal separation of the bracing elements and highly improve the thermal insulation values.*

*The enlarged 26 mm depth of the projection of the glass package in the profile protects the coldest elements of glazing against direct contact with the environment and enhances its thermal properties.*



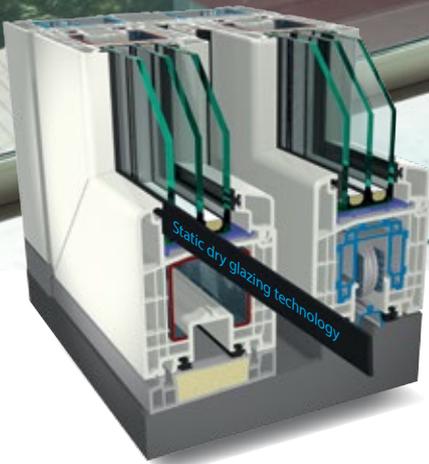
*5 chambers in the frame and sash for outstanding heat and sound insulation.*

*Triple glazing of windows up to a thickness of 52 mm can be used, and up to 54 mm glass packages when using the STV® glazing technology.*

# PRACTICAL

## STV® – STATIC DRY GLAZING TECHNOLOGY

This technology involves bonding the sash profile and glazing unit using a double-sided adhesive film. The bonded glazing unit becomes an element of enforcement in the window's structure. This means that standard elements can be produced entirely without any steel. It allows to reduce the weight and simplify installation, while preserving the excellent static parameters.



Watch our video about window production with STV® here:  
[stv.gealan.de](http://stv.gealan.de)

# MORE LIGHT THAN EVER

## MORE LIGHT DUE TO SMALLER FRAME WIDTH

Do you pay a particular attention to an increased surface of glass and enhanced light passing of your lift-slide door? Then GEALAN has a very special design solution for you: the frame width in the fixed part of the doors has been reduced by more than 50% when compared to the normal lift-slide wing.



## Classic

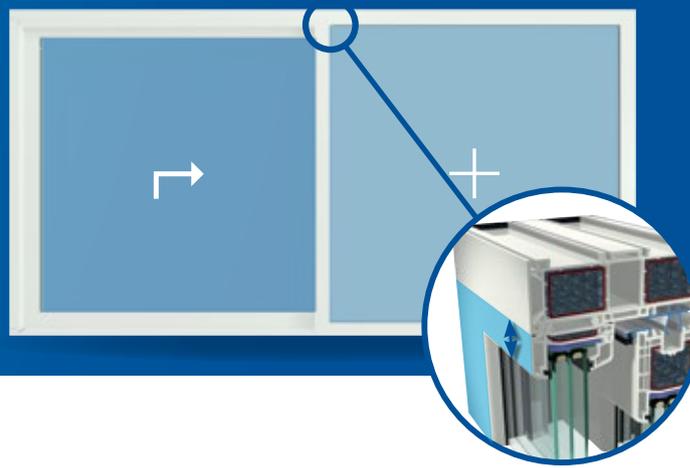
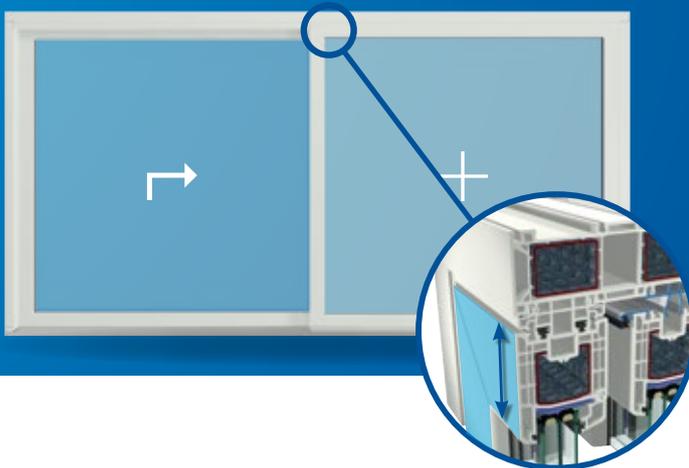
### SYMMETRICAL LOOK

Nothing is a better expression of elegant living atmosphere than spacious rooms flooded with light. Therefore, lift-slide doors are perfect for entrances to terraces, balconies, or gardens. This way, a piece of nature comes to your home. The visible width of even the standard sash design is very narrow at 100 mm.

## Design

### MORE GLASS IN THE FIXED SECTION

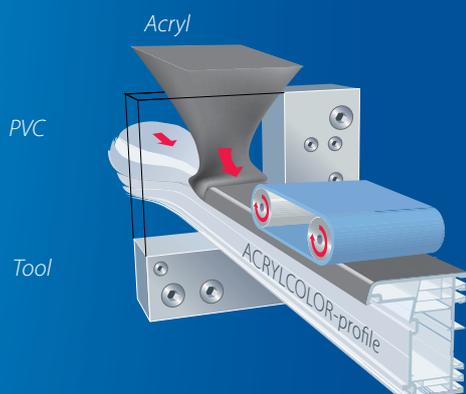
This special variant replaces the usual sash in the fixed section with a much narrower glazing profile. This reduces the visible width in the fixed section by more than 50 per cent without changing the heat insulation properties.



# Surface coating

## ACRYLCOLOR – THE UNIQUE SURFACE

In furnishing of facades, the coloured ACRYLCOLOR window and door structures play an important role. They are eye catching and are recognisable as unique as your card. The windows, front doors and lift-slide doors are components of the facade and have to withstand the negative impact of the sunlight, weather and environment, as well as the mechanical forces, which the unique ACRYLCOLOR profile surfaces are highly resistant to. Moreover, the coloured acrylic layer is always on the outer side of the windows and doors.



### No abrasions

The firm acrylic surface is abrasions-free and highly resistant to the external impacts, therefore ACRYLCOLOR windows are classified as top resistance grade construction elements.

### Effortless maintenance

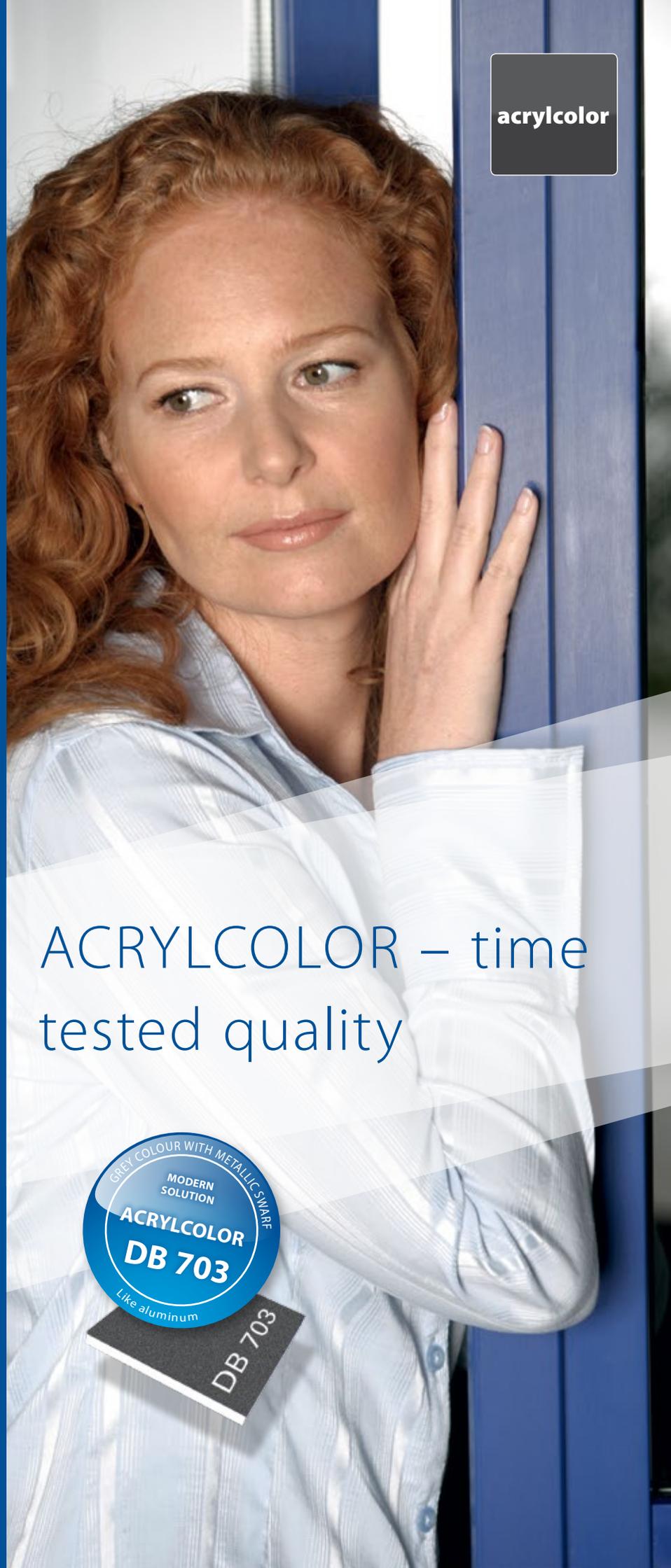
Due to the smooth non-porous surface, ACRYLCOLOR windows are easy to clean. Peeling and flaking off are things of the past, while the semi-matt finish surface doesn't accumulate dust and dirt. ACRYLCOLOR windows do not require repainting.

### Resistance to environmental effects

For production of coloured profiles we have chosen the acrylic coating that is resistant to the effects of the weather. Its resistance has been proved by many years' experience of application of this material in production of vehicle rear lights.

### 6 Innovative

ACRYLCOLOR profiles are made by means of the co-extrusion process. The white PVC and the coloured acrylic glass are permanently molded.



# ACRYLCOLOR – time tested quality



## DECEPTIVELY REAL DECORATIVE FILM

Decorate your windows with the films imitating attractive wood prints or with single-colour films. Apply a film of one colour on the outside, and a film of the same or a different colour and print on the inside. A wide range of colours and patterns, and the opportunity to apply different types of films on the window's inner and outer parts offer endless possibilities to create an exclusive visual appearance – a unique business card of your home..

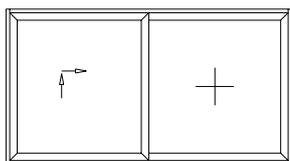


## WIDE RANGE OF COLOURS WITH ALUMINIUM

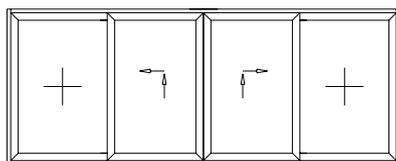
The S 9000 system's lift-slide door profiles, covered with aluminium shells, combine the advantages of plastic and aluminium in a single product. The functionality of aluminium and its contemporary look give the building an exceptional outer distinction, while the windows retain all the characteristics of plastic windows, including excellent thermal insulation. The windows and doors covered with aluminium shells are durable and long-lasting. A very large range of aluminium shell colours offers different options to choose the most suitable colour or shade.



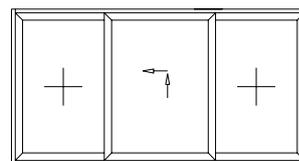
## OPENING SCHEMES



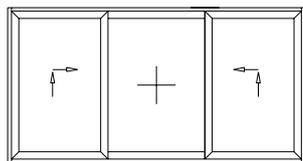
Scheme A



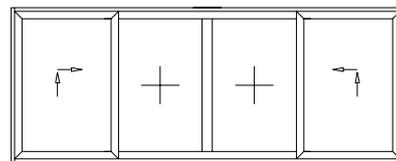
Scheme C



Scheme G



Scheme H



Scheme K



Find actual colour palettes here:  
[www.gealan.de](http://www.gealan.de)

# GEALAN eco-agreement Recycling in place of discharge

Our commitments to the environment



PVC window profiles may be disposed of by burning at modern waste incineration plants without increasing the dioxin and furan emission levels, however, the recycling of this material proves to be a better alternative. Since PVC material is perfect for recycling and re-use since plastic windows are mainly made of PVC, this material absolutely lends itself for recycling and creation of a closed circulation circle. The old plastic windows at the end of the service life can be disassembled and, passing through several separation stages, desegregated into individual materials – plastic, glass, aluminium or steel. Moreover, PVC can be finely shredded, granulated and reconditioned.

## RECYCLING OF PLASTIC WINDOWS

