



INNOVATION MIT SYSTEM

Narrow profile  
combination of S 9000

GEALAN-LUMAXX®

A woman with long, wavy, reddish-brown hair and blue eyes is sitting in a light-colored, modern chair. She is wearing a light grey long-sleeved top and white sneakers. She is looking out of a large window with a white frame, her hand resting near her face. The background outside the window is a blurred, bright outdoor scene.

Simply more light

Fill your house with light by choosing narrow window frames. This way you may enhance your life quality and well-being.



## SIGNIFICANTLY SMALLER FRAME

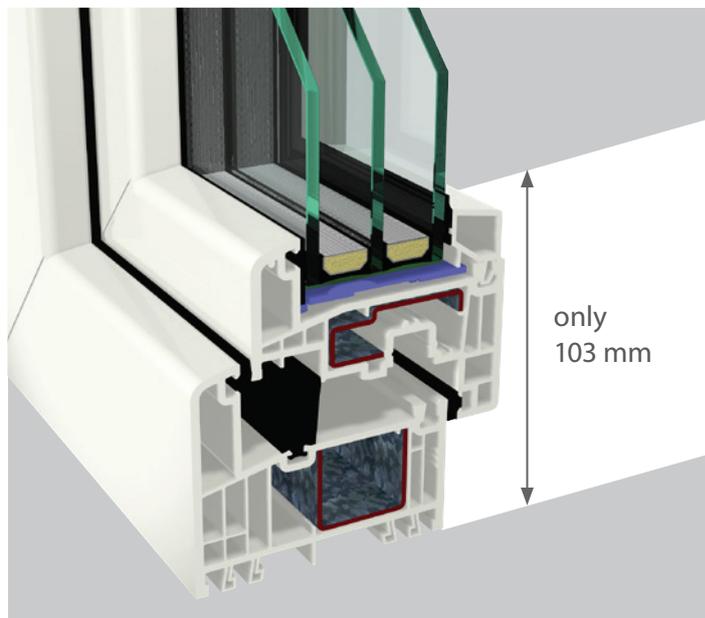
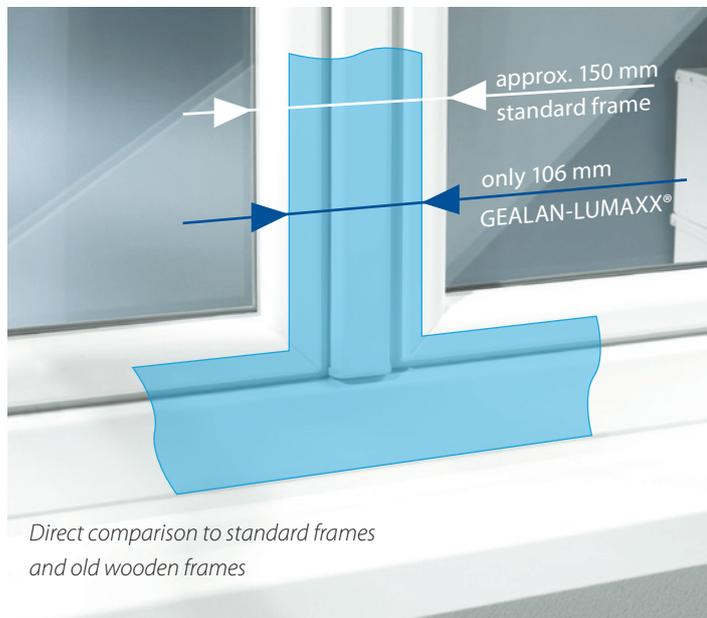
Upon direct comparison it has been established that GEALAN-LUMAXX system is significantly narrower compared to frame constructions used before. Earlier mullion (French Casement) constructions frequently reached up to 150 mm and even more. Unsightly massive bars distorted window proportions and prevented more light from flowing in. Now, upon application of the new system, narrow window constructions are available without compromising on comfort and safety.

## 25 % MORE GLASS

Modern architecture is characterised by large window constructions that create immense light-filled spaces. Even when renovating heritage buildings narrow frames are demanded in order to maintain a precise shape of historical windows. With the use of GEALAN S 9000 system narrow frames are perfectly applicable. This involves using 25% more glass and allows letting in more light.



# Narrow frames – more light

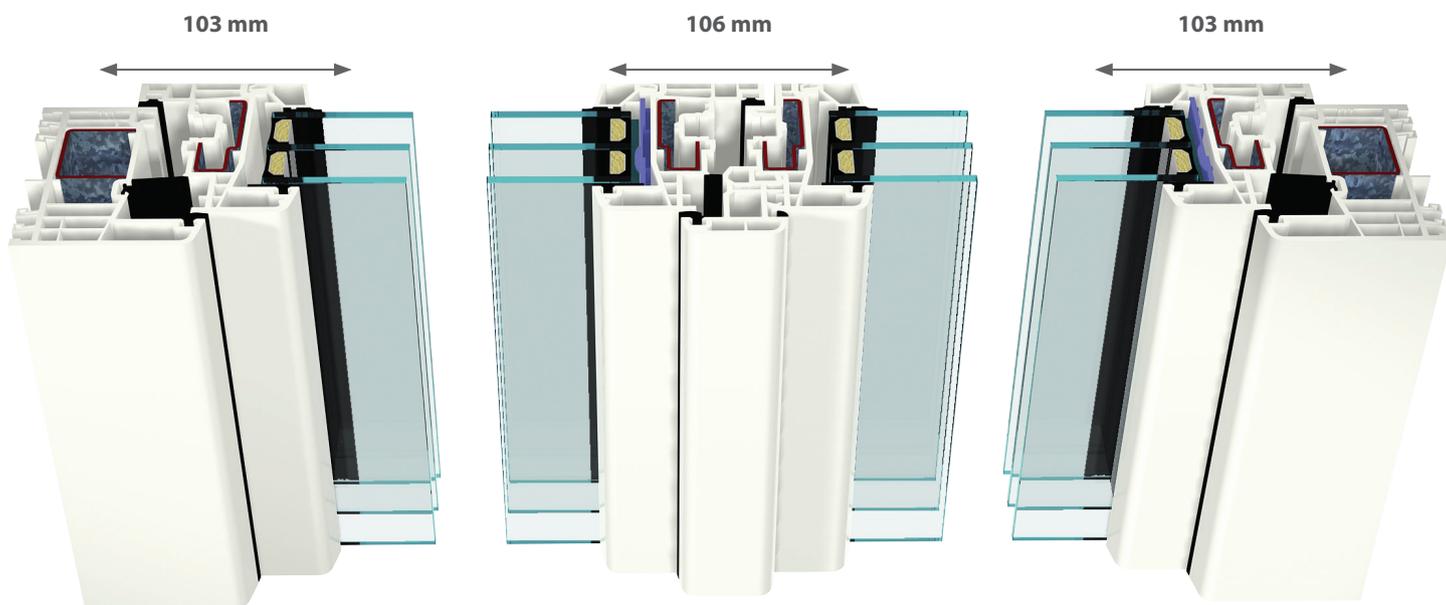


## OPTIMISED GEOMETRY PARAMETERS

When GEALAN-LUMAXX system was being developed, all frame geometry parameters were optimised by minimizing profile size as much as possible. The designers also strive for balanced ratio of thermal insulation and static characteristics as well as pursue harmony of fitting elements. Symmetrical single mullion allows even more flexibility in window design.

## NO COMPROMISES

Although narrow constructions are now a priority, when a new frame sash and mullion profile was being developed, static parameters were retained. Both constructions contain steel which, due to its static characteristics, may be applicable in elements up to the size of 2.3 m (white) and up to 2.2 m (in colour). In combination with the STV® adhesive technology element size may reach up to 2.5 m (white) and up to 2.4 m (in colour).





# One system fits all

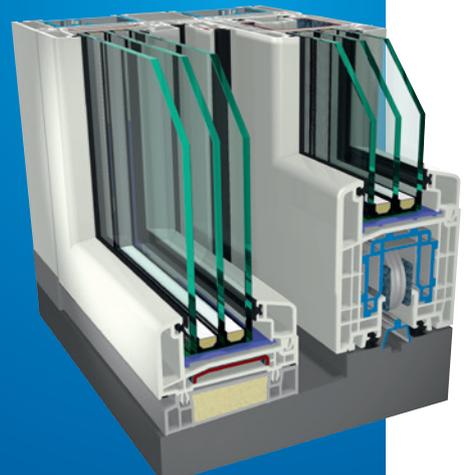
## S 9000 SYSTEM PLATFORM

S 9000 profile system is a modern wide construction with an installation depth of 82.5 mm. Aside from narrow lines, this system is applicable to any window type, as well as front doors and lift-slide doors. S 9000 system is a fully-developed main system that complies with all construction requirements and fits any exterior building construction. This system is applicable in any of your projects.

## LIFT-SLIDE DOORS

Sliding elements constitute a classic stylistic element of state-of-the-art living where generously designed glass surfaces convey complacency and elegance. GEALAN's new S 9000 lift-slide door meets these requirements from a visual and functional point of view. Special-design products are developed with an extremely narrow profile. Whether the door is open or closed, the room is full of light.

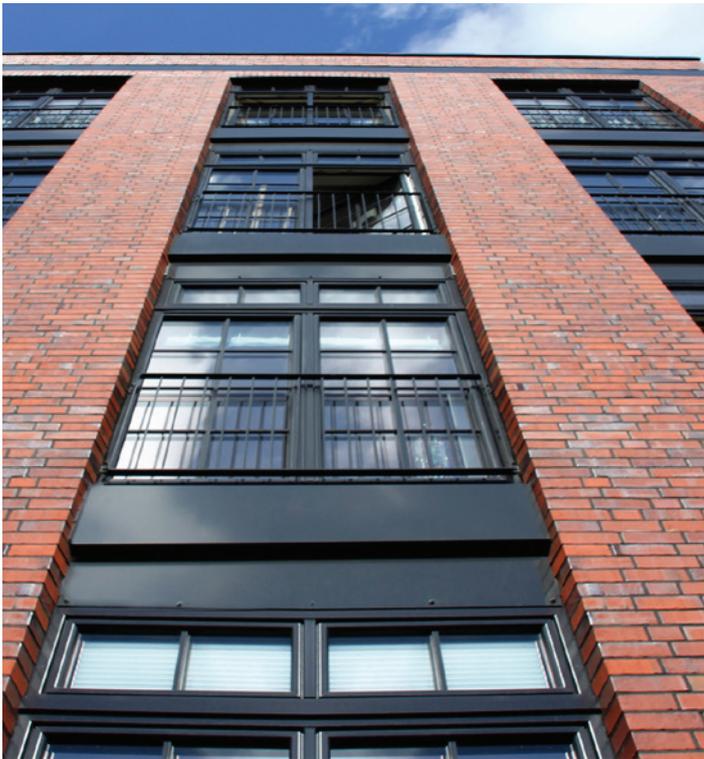
Special-design front doors (also, with a concealed sash), narrow-profile lift-slide doors, diverse surface and colour balcony doors – all are united by a single combined system.





# Colours and patterns

Windows and doors in colour are an essential element of the façade. Creative design attracts attention and provides signature appearance that makes the building stand out.



## ACRYLCOLOR

The colourful acryl coat is twice as durable as the PVC surfaces of white windows. They have high scratch resistance and are largely resistant against the effects of the weather. The semi-matt, smooth and nonporous finish surface is not susceptible to the accumulation of dust and dirt. Peeling and flaking off as well as the annoying repainting are things of the past. Acrylcolor windows are practically free of all servicing and extremely easy to maintain.

## DECORATIVE FILM

For everyone who appreciates natural appearance without compromising on the advantages of state-of-the-art window technology, we recommend choosing plastic windows in wooden décor look. Regardless of whether they are used for refurbishing a half-timbered house or a planned new building – GEALAN wooden décor windows convince from a visual and functional point of view. We also recommend using them as a classic stylistic element when refurbishing old houses.



Narrow and solid design frame and sash construction, also in the mullion area, is irreplaceable when refurbishing heritage objects.

# Historical examples

## IDEAL CHOICE FOR REFURBISHING IN STYLE

In order to meet energy requirements applicable in the future, we developed the S 9000 system which successfully entered the market a few years ago. This advanced system combines a new sash construction and an adjusted single mullion construction, which, due to its specially-shaped narrow sash, is ideal for refurbishing façades of historical buildings. Heritage objects protection requirements, such as narrow sash and mullion, invisible drainage slit and high quality surfaces, may be easily met using the S 9000 system.





# Systematic innovation

## STATIC DRY GLAZING TECHNOLOGY

The STV® adhesion technology (static dry glazing) developed by GEALAN comprises the bonding of glass and sash profile with specifically designed adhesive tape while maintaining the usual use of glazing blocks. By glueing the glass to the sash profile, the stability of the glass window is transferred into the sash and the entire system becomes more stable.

## INTENSIVE CORE INSULATION

With the increase of raw material and energy prices, modern windows help to significantly reduce heating costs. This means that constructors and renovators may be less worried about growing fuel oil or gas prices as IKD® intensive core insulation is a decisive step towards optimising window thermal insulation. This way you will be able to comply with future national requirements for insulation now.

S 9000

KUBUS

acrylcolor

STV®

IKD®

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

## ACRYLCOLOR

GEALAN has been co-extruding its coloured ACRYLCOLOR profiles for several decades. It is setting standards by using this process, because of how different it is from other common colouring processes. The result is the combination of aesthetic standards and great stability. Windows featuring acrylcolor profiles are resistant to the decades of aggressive weather conditions.