

An aerial photograph of a city skyline, likely Frankfurt, Germany. The foreground shows traditional European architecture with dark, gabled roofs and colorful facades. In the middle ground, a prominent red brick church with a green dome is visible. The background is dominated by a dense cluster of modern skyscrapers, including the Commerzbank Tower, which is under construction with a red crane on top. The sky is clear and blue.

GEALAN

INNOVATION MIT SYSTEM

Design  
with colour

Surfaces for  
sophisticated architecture

GEALAN-acrylcolor®

# GEALAN-acrylcolor®

## VERSATILITY FOR COLOURFUL PVC WINDOWS

Colourful window profiles emphasise the exterior design of the building. Residential buildings thus turn into charming eyecatchers and receive their unmistakable „business card“. Even unusual design specifications or typical regional colour nuances do not pose a problem. When our windows feature colour, variety is the rule. The right shade for every environment. From noble white to fine slate grey, a variety of colours are possible. Colourfast and RAL-tested, of course.



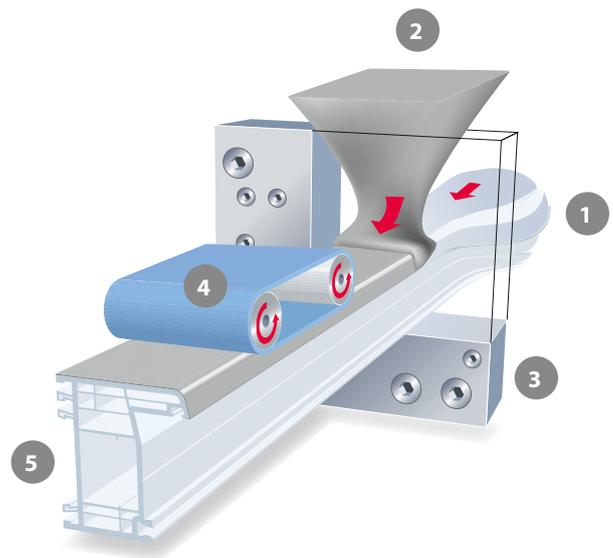
Timeless architecture relies on the quality of the materials used. With GEALAN-acrylcolor®, architects and planners have a hightech product for sophisticated exterior designs at their disposal.

# Coextrusion

## THE INNOVATIVE COLORATION PROCESS

Quality is also the top priority for colour PVC windows from GEALAN. That is why we manufacture our coloured GEALAN-acrylcolor® profiles in a special process. The white PVC base and the coloured acrylic glass are inseparably bonded together. GEALAN-acrylcolor® windows have a white PVC profile on the interiorfacing side and a colourful acrylic layer facing the building exterior. On request, they are also available with decorative foils on the inside.

1. Feeding of the white, liquid PVC melt via the main extruder
2. The coloured melted acrylic is brought in via a coextruder
3. The two liquid components are inseparably combined in the coextrusion tool
4. The profile surface is polished with a grinder machine to achieve a closed surface and high colour brilliance
5. The finished GEALAN-acrylcolor® profile



## No varnish

GEALAN-acrylcolor® profiles are not varnished. They are manufactured by the coextrusion process.

# Extremely durable

## ADVANTAGES OF GEALAN-ACRYLCOLOR® WINDOWS

The outer coloured acrylic glass layer is highly resistant to scratching and is largely resistant to weather influences such as sun, wind, rain, cold and temperature fluctuations. The silkmatte, smooth and nonporous surface is also resistant to the buildup of dust and dirt. Flaking, chipping and annoying repainting are a thing of the past. GEALAN-acrylcolor® windows are virtually maintenancefree and extremely easy to clean.



### Stronger

*With about 0.5 mm the acrylic layer thicker than any paint layer. Should superficial scratches occur, there is sufficient material left for polishing.*



### Scratch resistant

*The hard acrylic surface is scratch resistant and hard-wearing. This makes GEALAN-acrylcolor® windows one of the most resilient construction elements.*



### Permanent

*The inseparable bond and hard surface permanently prevent the paint layer from peeling or flaking off.*



### Inseparable

*Due to the coextrusion process, the acrylic surface fuses with the white profile. The result is an inseparable bond.*



*With millions of car rear lights, GEALAN-acrylcolor® has proven its resistance to aggressive weather conditions over the years.*



### Recyclable

GEALAN-acrylcolor® windows are, like all PVC windows, easily recyclable. After a long window life, the material for new windows is made from it.



### Lightfast

Acrylic glass is an extremely colourstable and lightfast material. Car taillights are a vivid proof of its properties.



### Easycare

Due to the nonporous surface GEALAN-acrylcolor® windows are easy to clean. The elegant brush effect also makes them insensitive to dirt.



### Weatherresistant

GEALAN-acrylcolor® profiles are very robust and weatherresistant. They defy even extreme climatic conditions without any problems.



PMMA



PVC



100 µm



10 years

## Convincing comparison

Under a microscope, the difference becomes clearly visible. After 10 years of exposure to the elements, the acrylic layer on the left is much smoother and appears hardly worn.



# Designing with colour

## ADVANTAGES OF GEALAN-ACRYLCOLOR® WINDOWS

Aesthetics in architecture is created by the perfect coordination of colour, form and material. Regardless of whether it is a historical building, modern residential building or prestigious industrial building. Coloured windows play a special role in the design of facades. Not only do they set effective accents, they also shape the individual character of buildings.



You can find the current GEALAN-  
acrylcolor® program under:

[www.gealan.co.uk](http://www.gealan.co.uk)

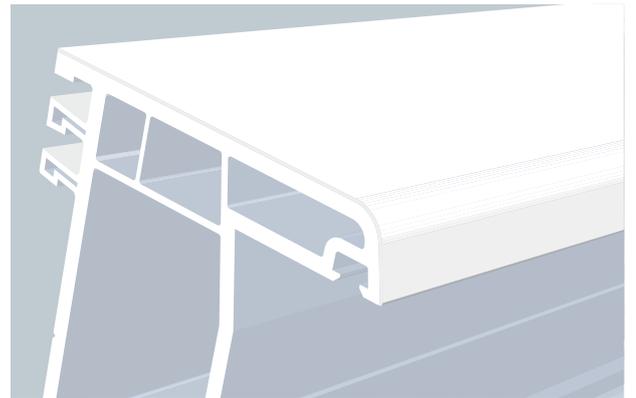


# Quality

## TRIED AND TESTED FOR DECADES

Since 1980, GEALAN has been producing coloured GEALAN-acrycolor® profiles using the coextrusion process. With the use of this technology, GEALAN sets standards because it differs significantly from the usual colouring processes. GEALAN-acrycolor® windows combine aesthetic appeal with extraordinary durability. Even decades of exposure to the elements cannot harm them.





You want your GEALAN-acrylcolor® windows to be in colour, not white, even on the inside? No problem! Because GEALAN has developed a new lamination technique that makes the spectrum of available colour combinations almost limitless. Nearly every variation is now possible. This includes the possibility of combining GEALAN-acrylcolor® on the outside and wood or décor foil on the inside.

Do you strive for quality in your white windows without time limits? This requires profiles that look as aesthetically pleasing as on the first day, even after years of use. The outside of GEALAN-acrylcolor® white windows, additionally coated with white acrylic glass, is even more resistant than PVC profiles without acrylic glass coating and thus guarantees a long window life.

 [www.gealan.co.uk](http://www.gealan.co.uk)