

# BOLD. STRONG. LASTING. COLOUR.

## RENOLIT EXOFOL FX | FREQUENTLY ASKED QUESTIONS



### What is Renolit EXOFOL FX?

EXOFOL FX is the name of the film that is laminated to the PVC window frame to give it colour. It is manufactured in Germany by a company named Renolit. Renolit has been located in North America for decades and selling this product here for more than 13 years.

### How do the European testing standards (SKZ) compare to standards held by the American Architectural Manufacturers Association (AAMA)?

AAMA has two standards of testing: Basic, which is 2,000 hours, and High level, which is 4,000 hours. EXOFOL FX has been tested far beyond these standards. Most colours have seen more than 10,000 hours of testing with little or no change (depending on the colour), so they far surpass the AAMA testing standards.

### Is the foil on my windows like thermo foil on cabinets in my home?

Renolit also makes thermo foil. They are both films; however, they are very different. The major difference is the UV protection quality in the foil that is applied to our windows. EXOFOL FX is a very unique formulation; it's an acrylic-based film, while thermo foil is a PVC-based film used for indoor applications. The adhesive on thermo foil is not the same as the adhesive used on the window foil: thermo foil adhesives can be reactivated, while the PUR adhesive used on EXOFOL FX cannot be reactivated and thus will not lift in various weather conditions.

### Does the heat from hot summer days affect the window film and cause issues?

No. The film has three layers. The base layer is made of a pigmented coloured acrylic (PMMA). This layer contains Solar Shield Technology (SST) that has extended UV and heat resistance properties. The second layer is transparent acrylic that also has UV and heat resistance qualities. The top layer is polyvinylidene fluoride (PVDF), a unique material with properties that resist moisture and UV rays. The majority of the heat is reflected before it reaches the PVC window because of the properties of the three layers in the film. The film has been tested to International American Society of Testing and Materials (ASTM) standards and performs well in all climates because of the reflective properties in the layers of film.

### What is Solar Shield Technology (SST)?

Solar Shield Technology (SST) is UV reflective pigment technology in the base layer of the foil that lowers the overall heat build-up. Lower heat build-up means that the window and the adhesive that is applied to the film are both protected from breakdown.

### **What are the differences between metal cladding for colour and Renolit EXOFOL FX for colour?**

There are a few different technologies available to apply colour to the exterior of your windows. These include paint, extruded colour, laminated film and metal cladding. The Renolit brand of film offers the following advantages:

- A rich appearance from the surface emboss
- Excellent scratch resistance
- Better weathering performance—stronger colour hold and no chalking

### **Do painted products have reflective properties?**

Yes, there are some paint products that have reflective properties—they all depend on the manufacturer. The Renolit EXOFOL FX film will outperform paint, as shown through testing.

### **What do I do if the film is scratched? How do I touch it up?**

There are touch up pens available that are a perfect match to every colour of Renolit EXOFOL FX available. You can order them through your sales representative.

### **What is the warranty?**

The warranty is 10 years on both the film and the process of applying the film to the window. However, testing and real world installs shows a much longer life span. The warranty on the window itself is the same as if there were no colour applied, depending on the series.

### **Is the warranty prorated?**

No. The warranty is not prorated by time or geography. Renolit has been selling this product in North America for over 13 years and has NEVER had a warranty claim, nor one that was denied.

### **How will the windows be packaged from the plant for shipping?**

They will be packaged the same as our Apex Alloy 9950, with cardboard protection at each corner and fully shrink-wrapped.

### **How is Xenon testing different than QUV testing?**

Xenon testing better represents the full spectrum of sunlight and it also includes moisture tests cycles. 1,000 hours of testing is equal to approximately one year of real time.

### **Kynar paint has some of the same material as the film, so why is EXOFOL FX better?**

In paint, the material is mixed throughout the paint and is diluted. With EXOFOL FX, it is applied to the entire top layer and is not diluted. The Renolit polymer resists moisture, allowing the film to stay stable and eliminating cracking, which keeps moisture out.