



Polytronix Glass

PolyFlush™ Film and Glass



Polytronix Glass, Inc.

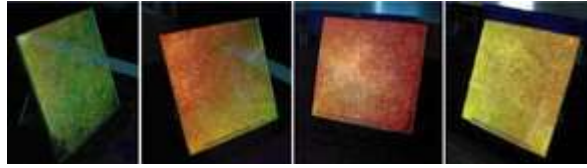
705 N. Plano Rd., Richardson, TX 75081

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www.PolytronixGlass.com



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Product Description

PolyFlush™ is available in cool (Chill) and warm (Blaze) colors. The brilliant shift in color that the viewer sees, visible from both sides of the product, is influenced by the environment in which the products are used. This includes the lighting, the viewing angle, and the mounting surface color. The products are a premium grade multi-layer polymeric film that is non-metallic, non-conductive, and non-corrosive.



As one-sided viewing glass, the observer can only see through one side while the other side remains translucent. From the bright side, PolyFlush™ cannot be seen through but it can be seen in various colors with a slight golden overtone. While on the other side that is darker PolyFlush™ is viewable through and it reflects blue/purple color.

Color Descriptions

The **“Chill”** shift in colors is set in cool tones of blue/magenta/yellow and gold/blue color regions of the spectrum.

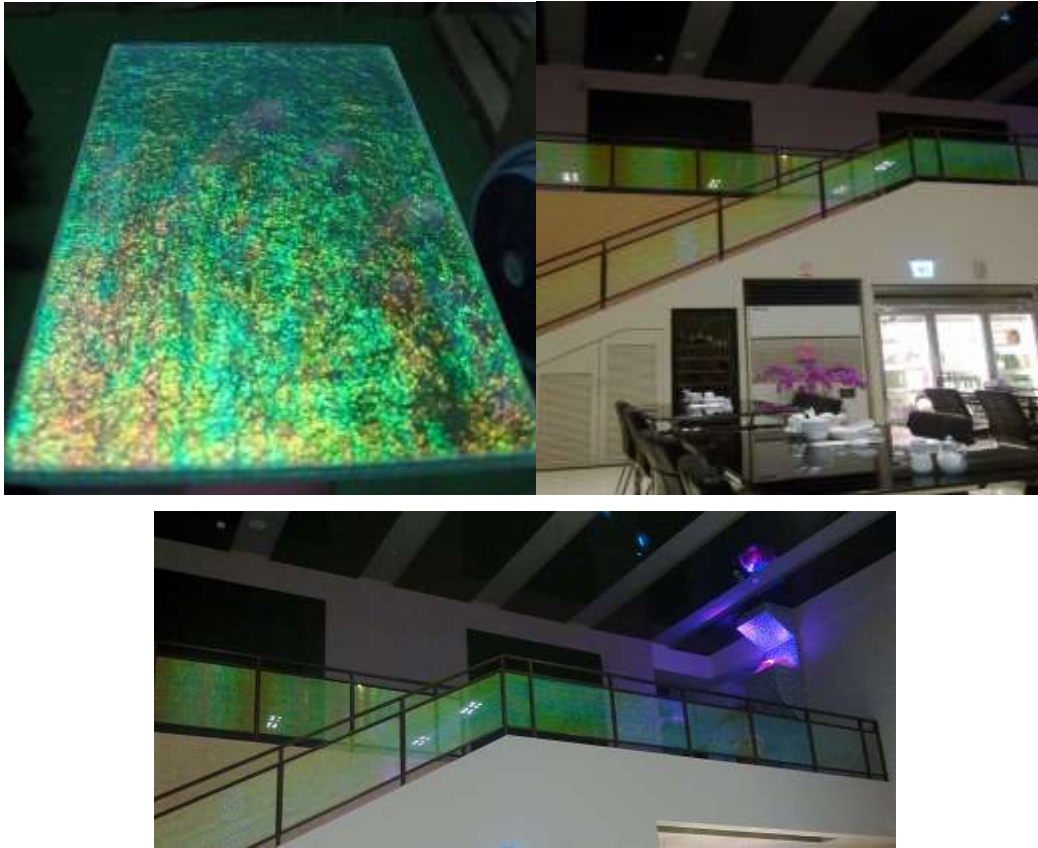
The **“Blaze”** shift in colors is set in warm tones of cyan/blue/magenta and red/gold color regions of the spectrum.

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PolyRainbow™ Film and Glass



Product Description

PolyRainbow™ Glass and Film is similar to PolyFlush™ and appears in different colors when viewing at various angles, however, it is just a bit thinner, resulting in more transparent finished glass. The exterior reflects the light in green and yellow colors making it viewable through the glass giving it a blue and purple color.

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Product Uses

PolyFlush™ and PolyRainbow™ are intended for general decoration and architecture, such as:

- ❖ Façades/Partitions/Enclosures
- ❖ Tables/Benches/Furniture
- ❖ Windows/Doors
- ❖ Shelves/Cosmetic Counters / Specialty Counters/ Shops & Boutiques

Characteristics

The following characteristics and properties are typical values for the Products. These are based on test data deemed reliable, but are not warranted:

Product Construction

Characteristic	Value
<u>Surface of Film</u>	Polyester (Product has alternating layers of polyester and acrylic with a polyester top surface.)
<u>Base Film</u>	
<u>Size</u>	1380mm (53.44") x less than 10 Meters (customer's choice in length, the width remains the same)

Typical Performance Properties

Characteristic	Value
<u>Transmissive Color *1</u>	Cyan/Blue/Magenta
<u>Reflective Color *1</u>	Red/Gold
<u>Bandwidth *2</u>	
<u>Left Band Edges</u>	590nm
<u>Right Band Edges</u>	795nm

*1. Varies by viewing angle. Color shift is visible from both sides of the Product.

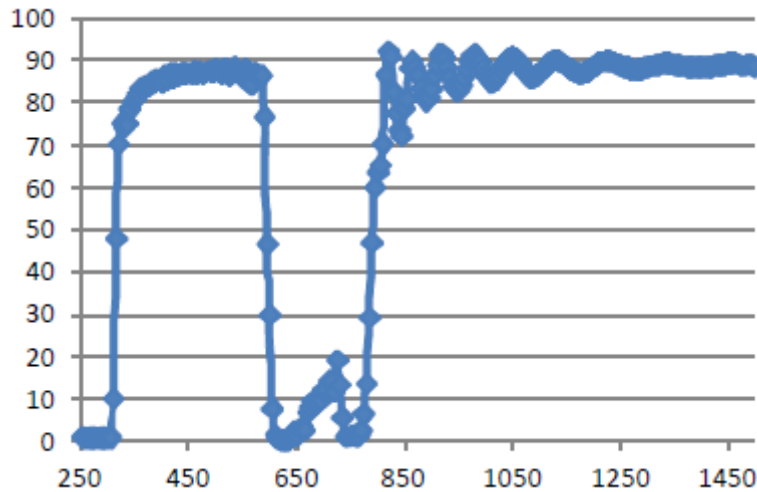
*2. Absorbs below 400nm.

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Typical Spectral Response



Environmental Performance

Protection from UV radiation wavelengths is required for PolyFlush™ and PolyRainbow™.

Abrasion and scratch resistance is similar to other products made of polyester. To maximize product effectiveness:

- ❖ Use it in a location where it can be protected from abrasion.
- ❖ Utilize hard coat lamination to help protect from abrasion.

Avoid contact with aromatic hydrocarbons and chlorinated hydrocarbons, which can damage the Product.

Product Use

The user is solely responsible for evaluating and determining whether PolyFlush™ and PolyRainbow™ are suitable and appropriate for any particular use or manufacturing process in which it may be used.

Cleaning

Use a mild detergent and water solution and a clean soft cloth.

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Technical Information for PolyRainbow™

Technical information data, recommendations, and other statements provided by Polytronix Glass are based on information, tests, or experience which Polytronix Glass believes to be reliable. But the accuracy or completeness of such information is not guaranteed. Such technical information and data is intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits.

	UV	Visibility	Infrared	SHGC
PolyRainbow™ Glass	47-52	68-71	78-81	0.79-0.80
PolyRainbow™ Film	0	63-65	76-77	0.66-0.67