

# Elmont Glass Company, Inc.

## Elmont Glass Switchable Privacy Glass

### Highlighted Features:

- High Quality, customized laminations, 10 yrs. Experience
- Designed to provide privacy with a flip of a switch
- On Mode-Transparent; Off Mode-Translucent
- Operating Voltage: 110-220VAC
- Response time: Less than 1 second
- Transmittance: On-approx. 75%; Off-4%
- Haze: On-approx. 2%; Off-80%
- UV Blocking: 98%
- Known for highest optical clarity available and highest level of service
- UL Listed Configuration

### Successful Durability Testing Performed Includes:

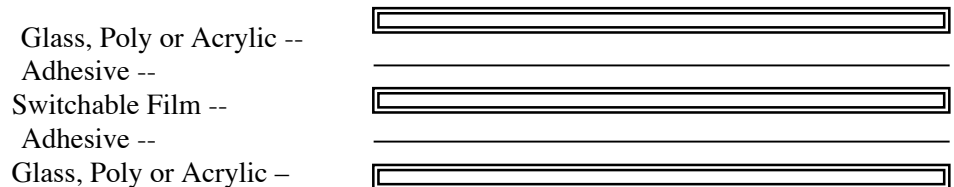
- Switching: On/Off 3 million times at 220VAC
- Temperature: 70 C for 14 days and -20 C for 14 days

### Basic Use:

The Elmont switchable privacy glass is a high-tech solution for privacy and display installations. At the flip of the switch, the electric glass will amazingly for conference rooms, home offices, spas, hospitals, entertainment venues, and any situation where privacy is not needed or desired at all times. It also acts as an outstanding projection screen for storefronts and the entertainment industries.

### Materials/Specifications:

Every lamination is customized using the high quality materials ideal for each application. Examples of material option include: clear annealed or tempered glass, Low E, reflective, low iron, and other high performance glasses; tinting; use of polycarbonates and acrylics; polished edges; various thickness options; holes, notches, sandblasting, laser etching, and other fabrication possibilities; insulated glass configurations; customized shapes and more. The basic configuration is:



### Sizes:

The standard width offering is up to 38-5/8", with a height of 96". However, we regularly produce larger laminates, sometimes with multiple pieces of privacy films within the laminate. In these cases, the electrified switchable inner layer is separated for reliability by a 1/16" gap between the two-piece film. This can be either left clear at all times, or covered by a sandblasted

finish. Our machinery has the capabilities to produce laminates up to 72" x 118", although weight and cost considerations must be considered.

**Power Conditioners:**

A power conditioner must be installed for each 250 square feet of Switchable Privacy Glass and a separate power conditioner must be used for each operable portion of a window unit. Power conditioners must be designed for and be compatible with privacy film.

A: Type: UL approved device for filtering and switching electrical power to electrified glass units as provided by Elmont Glass Company:

- Electrical characteristics: 120 VAC, 60Hz, 2.5 amps, 300 watts.
- Operating temperature: [0 to 104 degrees F] [-18 to 40 degrees C].
- Operating humidity: 5 to 90 percent relative humidity, non-condensing.

B: Provide separate power condition for each:

- Each [250 square feet] [76.2 square metered] of Elmont Switchable Glass.
- Each operable portion of window with Elmont Switchable Glass.

Elmont Switchable Glass can be installed in full or partially glazed doors. Electric Hinges or other type of power transfer will be required.

**Limited Warranty:**

Elmont Glass warranties Thru Manufacturing, its laminates for a period of three years against delaminating. The warranty is for replacement, excluding shipping and installation, and excludes warranties for improper glazing/installation, act of God, etc.