

## CLEAR FOCUS

# Lighting

In most cases, the graphic is placed on the exterior side of the window where it is exposed to sunlight, with the interior lighting levels lower.

For optimum one-way visibility, lighting should be brighter on the graphics side than on the black (non-image) side. In some cases (e.g., interior store windows in a shopping mall), flood lighting may be needed to illuminate the graphics side to prevent the image from being transparent.

### **Lighting considerations for hospitals and other health-care facilities, correctional facilities, airports, etc.**

Thanks to their one-way visibility, Clear Focus films have a variety of security applications in locations where controlling visibility is vital. If the film will be used in an interior setting, in particular, we recommend testing it prior to application to ensure it will work as needed under the exact lighting conditions.

### **Theater and other entertainment venue use**

Clear Focus films can be used like scrim by changing the lighting level to achieve the desired see-through effect.

Note that the pressure-sensitive film has a release liner that must be removed and the film must be attached to a sheet of glass, clear Plexiglas or other optically clear panel to obtain the see-through effect.

### **Residential use**

CLEAR FOCUS films are also suitable for residential use where they provide privacy and insulation, reduce glare, and protect furniture, drapes and carpets from the sun – all without blocking the view or darkening the room.

Ideal for sliding glass doors and windows, kitchen and family-room windows, etc.

Important: At night, when the illumination level is brighter inside the house than outside, it will be possible to see through the film into the interior of the house. For this reason drapes or window blinds may still be needed to provide the desired privacy.

## Installation

### Pre-installation Guidelines

- *Prior to installation of printed graphics, we recommend attaching a small piece of CLEAR FOCUS film to glass as a test to help you become accustomed to the film's characteristics, including adhesion strength.*
- Glass surface must be clean. Use mild soap and water to clean the glass. Do not use glass cleaners with solvents (e.g., Windex®).
- Surface must be completely dry. Use lint-free cloth or industrial paper towels to dry glass.
- Temperature of glass must be moderate — **between approx. 40° F (5° C) and 90° F (32° C).**
- In cold weather, apply film in late afternoon, after windows have warmed up, or, in the case of a vehicle, in a garage or other enclosed area (with the vehicle engine turned off). Applying film to glass that is too cold may adversely affect adhesion of film.
- In hot weather, apply film in the early morning, while glass is still cool. Applying film to glass that is too hot can cause the film to stretch during installation.

### Basic Installation Instructions

1. Lift the upper edge of the liner away from the vinyl and fold back approximately 3-6 inches (depending on the size of the graphic).
2. Carefully position the film so that it is properly aligned on all sides, then press the upper corners in place using light pressure.
3. Using your hand or a soft plastic squeegee, lightly press the film in place.
4. Working from the top of the graphic to the bottom, continue by peeling away more of the liner and applying light pressure to the film. Continue in this manner until the liner is completely removed and the window graphic is in place.
5. Using a utility knife, carefully trim away any unneeded portion of the graphics.
6. If you are installing more than one panel, properly align the next graphic in relation to the adjoining panel(s).
7. *Note: In the case of graphics that must be seamed together, install the two pieces so that the edges of the film butt against each other, with the holes aligned (don't overlap the two edges of the film).*
8. Finally, squeegee the film from the center and work outward in all directions.
9. Be sure to squeegee the edges firmly in place.
10. Step back and admire your work!