

**Casper Cloaking Technology**  
PF001

Use	<b>Architectural Glass Films</b>
Content	<b>100% Triacetate</b>
Backing	<b>Acrylic Pressure-sensitive Adhesive</b>
Cleaning	<b>Water-based/Solvent (WS), Bleach Cleanable (10:1)</b>
Weight	<b>5.35 ounces/linear foot (498 g/lm)</b>
Widths	<b>56 inches (142 cm); 48 inches (122 cm)</b>
Flammability	<b>ASTM E 84 Adhered Class A</b>
Lightfastness	<b>60 hours</b>
ACT	<b>☼ * *</b>
Standards & Certs	<b>CA 01350</b>
Optimized Chemistry	<b>Alternative to PVC, No Harmful Phthalates</b>
Sustainable Logistics	<b>Ships Carbon Neutral **</b>
Warranty	<b>5 years</b>

**Casper Graphic Films**  
PF002–PF016

Use	<b>Architectural Glass Films</b>
Content	<b>100% Polyester</b>
Backing	<b>Acrylic Pressure-sensitive Adhesive</b>
Cleaning	<b>Water-based/Solvent (WS), Bleach Cleanable (10:1)</b>
Weight	<b>2.5 ounces/linear foot (233 g/lm)</b>
Height	<b>59 inches (150 cm)</b>
Flammability	<b>ASTM E 84 Adhered Class A</b>
Lightfastness	<b>60 hours</b>
ACT	<b>☼ * *</b>
Standards & Certs	<b>CA 01350</b>
Optimized Chemistry	<b>Alternative to PVC, No Harmful Phthalates</b>
Sustainable Logistics	<b>Ships Carbon Neutral **</b>
Warranty	<b>5 years</b>

Under reasonable weather conditions, the film will dry flat, with no blisters, within 30 days, when viewed under normal viewing conditions. Normal viewing conditions are viewing treated windows from a distance of ten feet from the room side, at angles of up to 45 degrees, looking at a clear or uniformly overcast sky. Since a particle-free application is possible only under sterile conditions, there may be small amounts of dust or grit caught between the film and glass.

Casper Cloaking Technology renders large LED and LCD displays in glass-fronted rooms opaque when viewed from outside so that content cannot be seen. This cloaking effect works for most displays, but not all. Please contact your sales representative for more information.

## Casper® Cloaking Technology Film

### Install Guidelines. June 6, 2017

Cloaking technology Film renders wall-mounted and other large LED displays in conference rooms, huddle rooms, and other glass fronted rooms *opaque* when viewed from outside the room. Most large, wall-mounted displays can be cloaked with the exception of: 3D displays, Microsoft Surface Hubs, Barco video walls, OLED displays, plasma screens, and projection video.

### Installation Guidelines:

Casper Cloaking film is installed in a similar way to window films however it does have some differences:

1. Casper Cloaking must be installed in a vertical orientation for LED displays 40" or larger due to its unique cloaking technology. EXCEPTION! In some cases a horizontal install can cloak smaller monitors or computer monitors! Check orientation before estimating and installing. An Orientation Validation card is now also available
2. For "Vertical installations" The length edge of the film must be installed exactly parallel to the vertical window frame using the vertical window frame as a guide. It is best if the monitor is switched on to verify film orientation
3. Casper Cloaking film must be installed on the side of the glass closest to the display monitor.
4. Casper Cloaking film has two release liners. One on the adhesive side and another on the surface of the film. Removing the liners releases any tension/curl in the film
5. Clean thoroughly the glass surface and spray the surface with mounting solution
6. Cut the Casper Cloaking film to be installed on a hard surface such as glass. Cutting with a film handler will result in jagged edges. Cuts MUST have clean smooth edges.
7. Remove the surface liner
8. Remove the adhesive side release liner and spray the film liberally with the mounting solution. Place on the wet glass and position the film. Rewet the surface of the film so the squeegee will easily slide on the film and not scratch the film
9. Systematically hard squeegee, removing as much mounting solution as possible. Squeegee very firmly with a BLUE MAX squeegee or similar.
10. Trim the edges of the film a minimum of 1/16" from the edge of the frame to enable any moisture removal

11. Bump out all edges with a paper towel over the squeegee to completely remove any remaining water. Make sure all the edges are clean and there is no remaining mounting solution
12. Because this film is unlike a window film some fingering may appear shortly after installation. Should this occur then continue to press out the finger with a single push with a hard squeegee with soft paper towel over the blade towards the edge of the film until all moisture is removed from the edge. Make sure that there are no tiny particles under the film along all edges as this would create a weak spot for fingering.
13. Continue to monitor the installed film for any signs of curling or fingering and immediately press these out
14. **MOUNTING SOLUTION:** Install Casper Cloaking film with normal mounting solution. Solution conditioner or X-100 is recommended.
15. When trimming excess film be careful not to pinch or fold the film back tightly as this may damage the film. **IMPORTANT:** Trim all edges using a metal trim guide and a new blade point. This will help reduce any rough trimming edges or rough hand cuts. This film is difficult to hand trim no matter how good a trimmer you may be! Use a trimming guide!
16. Casper Cloaking film has a Permanent Pressure Sensitive adhesive system.
17. **SEAMS:** A 1/16" parallel gap is recommended when seaming films.

#### **Precautions:**

1. Test a small sample of the film prior to installation (recommend at the time of quoting/estimating) to make sure the film is appropriate and works for the particular monitor that is needing cloaking
2. Make sure significant pressure is applied when squeegeeing out the wetting solution.
3. Be careful not to bend at sharp angles or kink the film when handling or installing –be extra careful when trimming in corners.

#### **NOTES:**

1. **WATCH AND WORK THE FILM AFTER INSTALLATION.** Continue to monitor the installed film for any signs of curling or fingering and immediately press these out. This means that the installation will take a bit longer than a normal window film installation. This means an extra 5-15min per window. This can still be monitored while installing the next window.
2. **EDGES:** The edges must be clean cut.
3. A two person installation is recommended. One to hold the film and one to remove the release liners. If possible avoid having the glass hold the film while removing the adhesive release liner and then flipping the film.
4. A follow up revisit to the jobsite is recommended within 24 hours to check the installation. Take this into consideration when quoting the install!
- 5.
6. It is recommended that the film be cut oversized and then trimmed to size after fitting to the glass. Thereafter make the final trim cuts and edge bumping

## Casper™ By DESIGNTEX WINDOW FILM CLEANING INSTRUCTIONS

The following are washing and maintenance instructions for all your **Casper™** Cloaking and Architectural Glass Finish Films. Post these instructions where employees and/or maintenance personnel can read them since failure to follow them will irrevocably void your warranty.

DO NOT CLEAN UNTIL THIRTY (30) DAYS AFTER THE INSTALLATION DATE. This will ensure proper care of the adhesive and edge seal used to bond the film to the glass surface.

Recommended cleaner is *SimGlas®* Window Film Cleaner and microfiber cloth.

DO NOT USE BRISTLE BRUSHES OR ANY OTHER MATERIAL THAT MIGHT SCRATCH THE SURFACE. CAUTION! DO NOT USE AMMONIA OR VINEGAR OR ANY PRODUCTS CONTAINING AMMONIA OR VINEGAR TO CLEAN THE FILM. Some paper towels are coarse enough to scratch the Film. Repeated use of improper cleaning implements and/or solutions will damage the appearance of the Film.

### GENERAL GUIDELINES

DO NOT USE ANY ADHESIVE TAPES, LABELS, OR SIGNAGE ON THE SURFACES TO WHICH THE FILM HAS BEEN APPLIED.

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Please be advised that there may be a small amount of water left behind, particularly with the thicker films. Please be patient. Within approximately 60-90 days, this water will bake out. However, in the event that you see larger blisters forming within 24 hours after the installation, please call your installation company immediately.

For help on specific questions relating to a Casper Film Product, contact our Technical Service team:



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