

Casper Cloaking Technology
PF001

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

Casper Graphic Films
PF002–PF016

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

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. AUG 30, 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. **CORRECT ORIENTATION IS ESSENTIAL.** 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. The surface protective liner should be left on to protect the film during installation and left on for a few days allowing the adhesive to cure. **NOTE: The Cloaking properties will not work with the surface liner on 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 may result in jagged edges. Oversize the film if cutting with a film handler and make final trims once installed. Final Cuts MUST have clean smooth edges.
7. Remove the adhesive side release liner and spray the film liberally with the mounting solution. Place on the wet glass and position the film. Re-wet the surface of the film so the squeegee will easily slide on the film.
8. **Lightly** squeegee the film leaving adequate mounting solution behind the film
9. Finish Trim all edges of the film a maximum of 1/16" from the edge of the frame to enable mounting solution removal.
10. Rewet the surface of the film and give a **Final One Time Hard fixing Squeegee**. Systematically overlap the squeegee 50% over the previous squeegee line at a 45% angle pushing the mounting solution away from the area just squeegeed and remove all of the mounting solution. **DO NOT SQUEEGEE AGAIN** except for bumping out the edges with a moisture absorbing soft towel Recommended a BLUE MAX squeegee or similar.

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 allowing 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 clean water and Joy/Ajax or similar as a mounting solution. Film-On is not 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. Be careful not to bend at sharp angles or kink the film when handling or installing –be extra careful when trimming in corners.

Note!

- **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 may take a bit longer than a normal window film installation.
- **EDGES:** The edges must be clean cut.
- A two person installation is recommended. One to hold the film and one to remove the release liner. If possible avoid having the glass hold the film while removing the adhesive release liner and then flipping the film.
- A follow up revisit to the jobsite is recommended within 24 hours to check the installation and remove the surface liner. Take this into consideration when quoting the install!
- It is recommended that the film be cut slightly 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.

Under reasonable weather conditions, 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.

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:



T: 888.657.5224 | F: 240.363.4818

3909 Cornell Place | Frederick, MD 21703 | USA

info@decorativefilm.com

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