

Instructions for working

- **Preparation:** Read these directions carefully and fully before you start working with the film. Use d-c-fix® mirror protective film only on the inside of the window facing the room. Make sure during work with the film that no direct sunlight reaches the window, or that the prevailing outside temperature is below freezing. We recommend working with the film when outside temperatures are between 18 and 24 deg. C. It is best for two people to carry out the installation of the film. That will make the work easier.

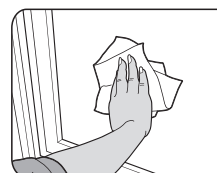
Tools required:

- Film squeegee: Use the film squeegee provided in the package to work with the film.
- Utility knife: Use the included utility knife for precise cutting of the film.
- Ruler: Use a ruler for straight edges and to assist in cutting.
- Transparent tape: You can use transparent tape to separate the d-c-fix® mirror protective film from the transparent back sheet.
- Window cleaner: Use a commercial cleaner for preparatory cleaning of the window surfaces, but do not use an abrasive cleaner.
- Spray bottle: Use a spray bottle which is filled with a mix of cold water and 1 – 2 drops of dishwashing liquid in order to assist in application.
- Cloth: Use a soft, lint-free cloth to dry the film.

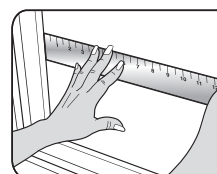
Contents: Mirror protective film, utility knife, squeegee, instructions

Procedure:

For best results, carry out the following steps carefully and in the specified order.



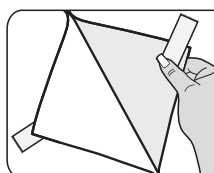
1 Window cleaning. Thoroughly clean the window area to be covered with a commercial window cleaner. Make sure that the corners are clean, and that stubborn dirt is removed. A grease-free and above all dust-free glass surface is essential for successful adhesion. Contamination on poorly-cleaned glass surfaces can be visible after the film is applied.



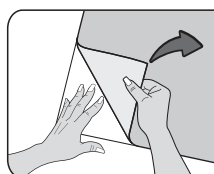
2 Measuring the window. In order to cut the d-c-fix® mirror protective film accurately, it is important to determine the exact dimensions of the film. Precisely measure the glass surfaces within the window frame or within the rubber seals. The rubber seals themselves will not be covered. We therefore recommend to keep a distance from the rubber seals on each side of 2 mm.



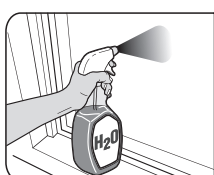
3 Cutting the film. In order to cut the film to the exact measured dimensions, lay the d-c-fix® mirror protective film on a clean (dust-, grease- and lint-free) and flat surface. Now cut the film using a ruler and the utility knife to the desired dimensions. Use the existing corners and edges of the film as a starting point for a straight cut.



4 Removing the film backing (protective film). The mirrored screen film is always on the inside of the rolled film; back side film is on the outside. Using transparent tape, you can easily remove the back film from the d-c-fix® mirror protective film. Stick the tape on a film corner on the backside of the film, and a tape on the side of the d-c-fix® mirror protective film. Attach the tape in such a way that it extends beyond the edge of the film. Firmly press both strips and pull them in order to pull apart the backside and the d-c-fix® mirror protective film.



4.1 Now pull starting from one corner of the backside completely from the d-c-fix® mirror protective film. Also ensure that the film is not kinked or flips and sticks to itself. Also ensure that the adhesive side of the film is not contaminated by dust or lint.



5 Preparing the window. The d-c-fix® mirror protective film should basically be worked "wet," which means using water on the glass. The advantage of this application technique is that the film can be more easily corrected, and that bubbles can be easily avoided. Spray the window surface with a mixture of cold water and 1 – 2 drops of liquid dishwashing liquid. It is important that you spray the entire glass surface with water, and that there are no dry spots left. When the film is later placed on the glass surface, this should "swim" on the water, and not immediately adhere.

NOTES

• Film too large?

If the mirror protective film was measured a bit too large and the film is already attached to the window, you can still trim it. Use the ruler on the already-adhered film and cut the film along the ruler with a sharp utility knife. Ensure here that you maintain a distance from the rubber seals of 2 mm on each edge.

• What surfaces can be adhered to?

d-c-fix® mirror protective film can be adhered safely to all vertically aligned clear and tinted single glass and clear glass as well as insulated glass and clear-laminated Low-E insulated glass (single glass). For tinted and clear double glass, you should contact the window manufacturer and follow its recommendations. We do not advise using on angled or horizontally-aligned glass.

• Adhesive remaining after the film is removed?

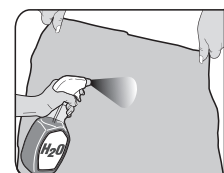
Should adhesive remnants be found on the window after some time, soak the glue with water and a little soap and simply scrape it off the surface.

• Kinks in the film?

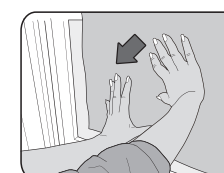
Please ensure in every step that the film is not kinked. Kinks can produce stripes that will not fully disappear after the film is applied.

• Cut the film into pieces?

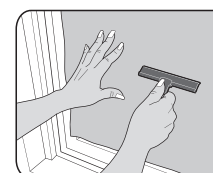
Should the window surface prove larger than the measurement of the film, several foil pieces can be placed together easily. Put together the individual pieces edge-to-edge without overlapping. Ensure that the orientation of the film pieces runs in a uniform direction (i.e. not length-wise and cross-wise).



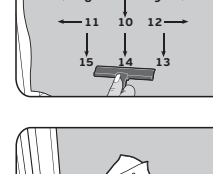
6 Spray the mirror protective film with water. After you have prepared the window for application, it is now ready for the d-c-fix® mirror protective film. Hold the mirror protective film without the previously removed backside film to the two upper corners, and let the film hang down. A second person should now cover the film with a generous amount of the water dishwashing liquid mixture. Then move to the next point, and ensure that the adhesive is in contact with water for as short a time as possible (the adhesive is not damaged, however, by contact with water).



7 Aligning and affixing the mirror protective film on the window. Now place the sprayed film with the adhesive side towards the window. Begin at one of the upper corners and use the window corner in order to align the film horizontally as well as vertically. The second person should ensure that the film on the lower portion does not come in contact with the window. When you have aligned the film with a corner, you can lightly press the film over its entire width with your hand. You can now slowly roll the lower part of the film on the window, and glide it on the surface which has been moistened with water.



8 Squeezing out water In order to attach the d-c-fix® mirror protective film to its final position on the window, the water which is between the film and the glass surface must be squeezed out with the film squeegee. The arrow diagram shows how the squeegee is moved. This will prevent air inclusions under the film, and achieve best results. Start with the first squeegee movement at the top, and work according to the numbers in the illustration from the middle to the outside, and from the top to the bottom.



9 Drying remaining water After the water under the d-c-fix® mirror protective film has been completely squeezed out, you can dry the film surface with a soft cloth. You have successfully installed the d-c-fix® mirror protective film on your window.



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