

Film Mounting Manual



Sun Innovations, Inc.

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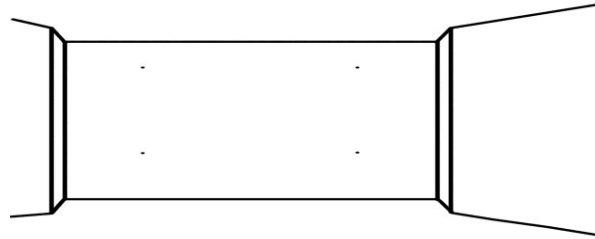
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FILM MOUNTING

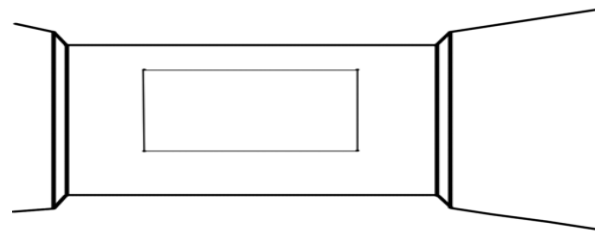
The film stops the laser or light, down converting it into visible light. To get the best transparency, the film must be installed correctly the first time. If the film is removed from the window and reapplied higher, lower, or to the left or the right, the film will have less adhesion, and be prone to having bubbles or streaking under it. For this reason, the installer must determine the correct location of the projector and the film before beginning the installation.

Estimate the approximate location you prefer to have the display on the window, taping where you'd like the corners as shown below. For a permanent installation and the best appearance, it's best to squeegee the film onto the window as per the following instructions. However, if it's difficult to find someone with experience using a squeegee to apply film, you can use clear double sided sticky tape to adhere the film to the window.



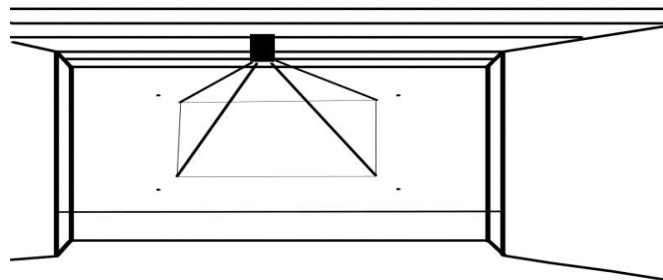
Tape Check

The film has a self-adhesive backing, but to first test where the film can go, tape the film in place with gaffers tape or masking tape on the corners.



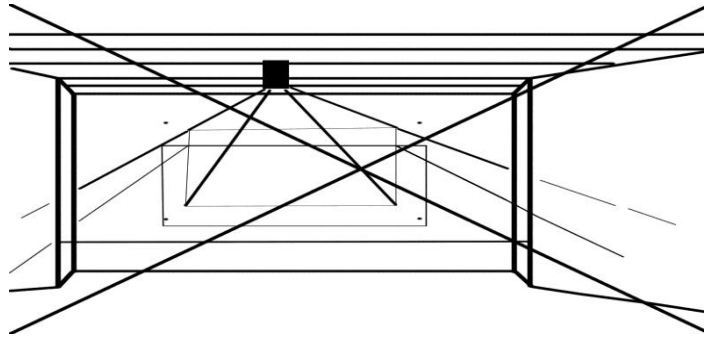
Film temporary tape placement for test

Find a mounting spot for the projector such that the laser will strike the film. Be sure to test the projection angle and size before completing the installation.



Wearing UV eye protection, turn the projector on in the prospective installation area. If the part of the image goes beyond the edge of the film, as shown below, adjust the projector and/or film placement so the entire image is projected onto the film.

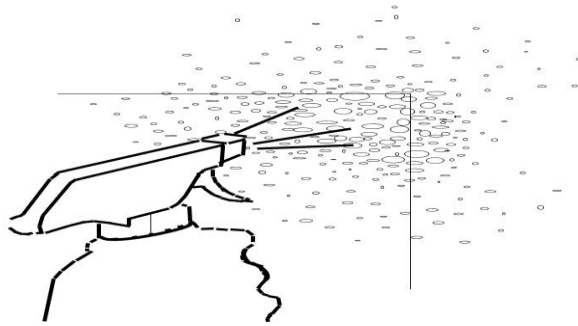
Some installers may find it easier to hold the projector close to the projection screen, turn it on so it's putting out images, and slowly back up to determine the maximum appropriate distance. (*Note the projector is fragile, and warranty does not cover dropping the projector.*) Note that with a smaller size of film, the projector has to be installed close to the film, and conversely with bigger film, the projector is further away.



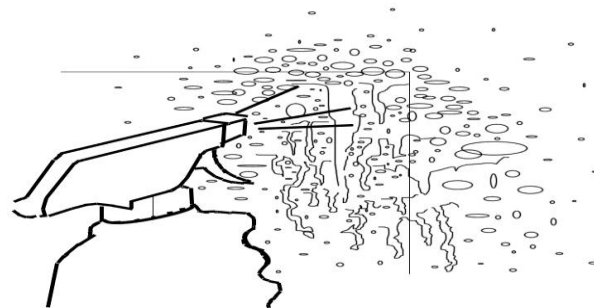
Bad projection area & film placement

Once you've verified the placement you can mark the required location with tape on the outside of the glass and attach the film to the inside glass surface. Perform the following steps to install the film on the window.

Spray the glass with soapy water. You can make soapy water by adding roughly 60-120 ml (2oz-4oz) of liquid dish soap to an empty rinsed spray bottle, and then filling with water.

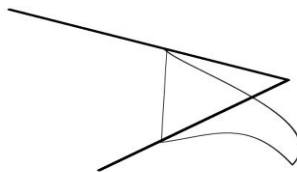


The objective of the soapy water is to help remove bubbles between the film and the glass. So, the more soapy water you have on the surface, the better. Spray until the glass is completely coated and little streams run down the window.



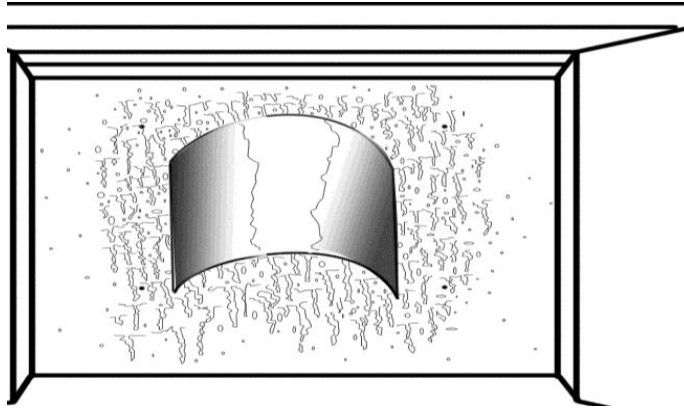
Beginning to spray top right corner of glass before putting film on it

Pinch the corner to separate the film from its back cover. Sometimes you can use masking tape to get the two corners to separate more easily. The back cover is a thin layer, removed to expose the self-adhesive backing on the film. Note the film is thick compared to the back cover.



Peeling off the back cover, exposing self-adhesive

For our standard films 40"x40" and larger, use two people to hold and install the film to ensure it isn't damaged.



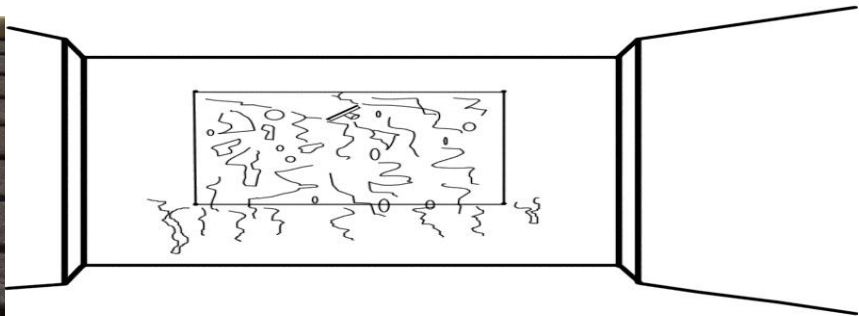
Be careful when aligning film to ensure it aligns to the correct spot, and has lots of soapy water under it.

Please note you can drag the film across the glass a little if enough soapy water is underneath. Do not remove the film once adhered to the window; the self-adhesive will retain some stickiness, but each time the film is removed and re-adhered, its ability to stick to the window is diminished.

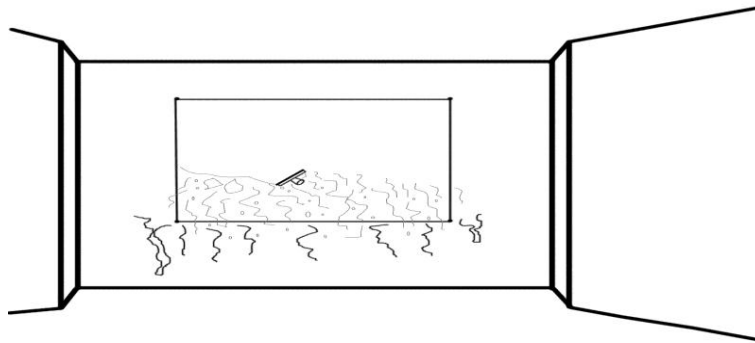
Use a squeegee to remove water from under the film. A squeegee is a tool with a rubber edge for cleaning glass.



Squeegee



The squeegee "squeezes" water out from under the film



Be careful to get all the water and bubbles out to ensure maximum transparency and clarity.

To ensure an installation without remaining bubbles or streaks under the film, we recommend having the film professionally installed if you have no experience with window films.

WARRANTY

WARRANTY: We warrant our products to be free of defects in material and workmanship for three months from date of original shipment. Any film(s) or Custom Film(s) order are not cancellable once processed to customize and are not returnable. During the warranty period Sun Innovations, Inc. will repair or replace defective products free of charge if such products are returned with all shipping charges prepaid and if, upon examination, the product is shown to be defective. This warranty shall not apply to products damaged by abuse, neglect, accident, modification, alteration or misuse. Normal wear is not warranted. All repairs and replacements under the provisions of this warranty shall be made at Sun Innovations, Inc. or at an authorized repair facility. Sun Innovations, Inc. shall not be liable for expenses incurred to repair or replace defective products at any other location or by unauthorized persons or agents. This warranty contains all of the obligations and warranties of the Company. There are no other warranties, either expressed or implied. No warranty is given regarding merchantability or suitability for any particular purpose. The Company shall not be liable in either equity or law for consequential damages, losses or expenses incurred by use of or inability to use its' products or for claims arising from same. No warranty is given for products of other manufacturers even though the Company may provide these products with its' own or by themselves. The provisions of this warranty cannot be changed in any way by any agent or employee of the Company. Notice of defects must be received in writing within the warranty period or the warranty is void.

REPAIR: For units outside their warranty period, we are happy to quote on repair costs. Please contact us for repair # and labeling/shipping instructions prior to shipping a projector to us.

For more questions you can call Customer Support at P :(510)651-1329 X 206 or email us at sales@sun-innovations.com

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