

Projection Film Installation Guide

IMPORTANT

Only install projection film on glass or acrylic. For acrylic surfaces, we recommend removing any protective film liners 24 hours prior to installation. We do not recommend installation on Perspex.

Equipment Required

- Spray bottle / water

Note - Distilled water **must** be used to install Ultra Gain front projection film.

- Johnson's Baby Shampoo

- Window scraper / blade

- IPA (Isopropyl alcohol)

- Liquid window cleaner

- Soft edge plastic squeegee

- Soft lint free cloths

- Nitrile disposable gloves

Note - Gloves must be worn at all times while handling the film.

Basic Rule - Preparation is key, make sure the glass is completely clean and dust free before starting the installation procedure. Any dirt/dust left on the glass will result in bubbles/imperfections in the film.

Step by Step Instructions

1. Firstly inspect the glass surface to make sure there are no visible marks/imperfections.
2. Use a cloth soaked with IPA (Isopropyl alcohol) to soften any dirt/grease on the glass surface.
3. Scrape the glass surface using a sharp blade to remove any dirt/grease.
4. Clean the glass with liquid glass polish and a lint free cloth.

Important - repeat the above procedures until you are completely happy that the glass is clean.

5. Prepare a clean work area to roll out the projection film; it is advisable to use soft paper on a smooth surface to avoid marking the projection surface.
6. Gloves must be worn at all times while handling the projection film.
7. Mix water with Johnson's Baby Shampoo (5ml per litre) and fill spray bottle.

Important - damp a soft lint free cloth with IPA and perform a final clean of the glass (removing any finger prints or dust) let the IPA evaporate first before applying the projection film.

8. Spray enough water/shampoo mix on the glass to ensure that you can easily align the film.
9. To avoid any static, spray the clear protective liner on the back of the film before removing it.
10. Carefully remove the clear protective liner to expose the adhesive layer and at the same time spray the surface with the water/shampoo mix.

Important - it is important to move quickly at this stage to avoid any dust particles settling on the film or glass surfaces. For larger pieces of projection film we recommend that more than one person handles the film and that the protective liner is gradually removed during the application process.

11. Place the adhesive side on to the wet glass surface and move the film into the correct position.
12. Spray the back of the film with the water/shampoo mix to avoid any surface scratching.
13. Using the soft edge of the plastic squeegee, apply pressure to remove the water from between the glass and the film. If you use a standard plastic squeegee you need to wrap this in a soft lint free cloth, to prevent any scratching or damage to the projection surface.
14. We recommend that you start from the top centre working outwards to seal the top edge, making sure you apply firm pressure to disperse all the water.
15. Once the top edge is sealed use firm pressure in short overlapping strokes (horizontal or vertical) maintaining the same direction.
16. It is important to keep the film wet at all times to reduce friction and damage to the projection surface.

Important - applying Pro Display projection films is very different to applying vinyl graphics or solar/performance films. These materials are much thicker and so short strokes with firm pressure is essential to disperse all the water. If you do not apply enough pressure to remove all the water, air bubbles may appear over a period of time.

17. It is important to repeat the above process until you are confident all water/air bubbles have been removed.
18. Once you are confident that the film has been applied correctly leave to dry for at least 48 hours. Any small air bubbles will disperse over the next few days.

Cleaning the projection surface

To clean the projection surface you should either use the same water/shampoo mix as used for the application process or water / IPA mix (90% water + 10% IPA). Spray the cleaner across the projection surface; gently remove using a soft rubber squeegee or dry by blotting using a soft clean cloth or chamois.

Removing a bubble

If a bubble appears in the film, it is possible to puncture the film with an air release tool or pin. When you have punctured the film dampen the surface with the water/shampoo mix and reapply firm pressure over the area using a soft-edge squeegee.

Care and handling

Always wear protective gloves (nitrile) while handling the film. Perspiration and oil from the skin can stain the film. Avoid laying the film on uneven or dirty work surfaces. Small chips or dirt particles can damage the film surfaces. Do not use any cleaning chemicals on the film surfaces.

When applying the projection films to an acrylic substrate, please note that certain acrylics emit gases that can create bubbles under the film surface.

Warranty and Disclaimers

Pro Display warrants its projection films in accordance with the published specifications for a period of three years from the date of shipment, this is providing that they are stored at room temperature in the original packaging. The warranty only covers manufacturing defects and excludes problems related to poor installation or damage to the screen surface.

Pro Display offers no additional warranties for the installation or application of the projection films by a third party. Pro Display shall not be liable for any loss or damages, whether none specified direct, indirect, special, incidental or consequential (including downtime, loss of profits, replacement costs or goodwill) in any way related to the products regardless of the legal theory asserted.

Note - if the glass surface has any marks, blemishes or defects these may become visible in the projection film.