

# OYPDLC SELF-ADHESIVE SMART FILM INSTALLATION GUIDE

## OYPDLC Smart Film Installation Precautions

1. Please ensure the working environment is clean and dust free as possible.

2. The FILM is a dry install application.

**DO NOT use water** under any circumstances – self-adhesive can be installed using 99% isopropyl alcohol (medical alcohol) only.

**DO NOT operate material until it is 100% dry!**

3. When handling smart film always be careful with the edges to avoid delamination. Never fold, bend or curve smart film. Always keep the film flat and straight as shown below.



4. Do not remove the protective layer (self-cling side) until you are ready to install smart film. The protective layer (Non-cling side) should remain until installation is completed.

5. Never use any chemicals or abrasive cleaners on smart film surface and glass surface. We recommend either anhydrous alcohol or 99% Isopropyl Alcohol to clean glass surface with lint free cloth.

## Tools & Materials Required

- 99% isopropyl alcohol (As liquid to clean glass surface)
- Cleaning Spray (Using to spray alcohol to glass surface)
- Lint free cloth (To clean glass surface with alcohol)
- Plastic scraper squeegee (To apply self-adhesive smart film to glass, to remove bubbles)
- Neutral Silicone sealant(Toshiba 381, 83) (Use to seal the smart film edge after stick the film to glass)



## Installation Procedure

### 1. Test the film working or not

Connect wires to transformer, power on and off to test the film.

### 2. Measure and Trim the film if needed

Suggest dimension of smart film is 2-3mm shorter than the visual area of the glass.

### 3. Clean the glass surface

Using spray bottle to spray the alcohol to glass surface, clean the dirt with scraper and lint free cloth, after clean, wait for alcohol to evaporate.

**Do not continue to apply the smart film until glass surface is 100% dry!**

### 4. Applying the smart film

- Carefully peel off the first 8- 10cm of the protective liner covering on the self-cling side.
- Align the edge of the self-adhesive Smart Film with the top edge of the glass. Slowly pull away the protective layer and allow the Smart Film to adhere to the glass under its own weight 8-10cm at a time. Starting from the top, use the scraper squeegee in a side-to-side motion (horizontal) gradually moving down to disperse any air bubbles. If any air bubbles are visible, carefully lift the film and let it sit back down under its own weight again, doing this you do take the chance of grabbing dust particles floating around your working area so please be very careful. If air bubbles are still present then carefully lift the Smart Film and check if any dust particles may have attached to the cling and use adhesive tape to remove or possibly a small piece of tape.



- Use the soft edge squeegee to remove any trapped air bubbles on the edges of the Smart Film. Until the Smart Film installation is free of bubbles and placed nicely on the glass surface.

### 5. Connect to electricity to test the film

Connect the film to transformer adapter, then to household electricity, power on and power off to test the film.

### 6. Sealing film edge

Sealing the edge of smart film with neutral silicone sealant. (Using brand Toshiba 381, 83 or Dow corning 799). Suggest seal the electrodes part, to isolate it from water and humidity.



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