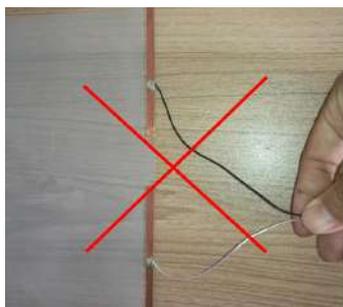


Switchable Smart Glass

SWITCHABLE SMART FILM INSTALLATION

Important Information

- Keep Switchable film straight and flat at all times. Do not fold the film, it may cause permanent damage to the film. (Refer to content of Handling)
- The Switchable film is a dry install application.
The self-adhesive smart film should be stick on glass panels. **Do not use water in any way. Do not stick film until the glass is 100% dry.**
- Clean the glass surface before the install application. Dust may cause bulb under the film.
- Keep the installation environment clean and dust-free for optimal results.
- Make the switchable film size be 2-3mm less than the glass area.
- The protective layer of the non-adhesive side should be kept until the installation is finished.
- Wear nitrile gloves during installation application.
- Remove the adhesive side protective layer before starting the installation.
- Use 60VAC power to the switchable film with our transformer or other certified transformers.
- Must prevent electrical busbar and film edge from contacting the metal frame.
- Do not pull the wires together which may cause a shortcut! Such movement may burn the film and cause permanent damage .



- Only use Neutral Silicon sealant. Any other silicon will damage the Smart film.
- The switchable film should be used indoor only with no exposure to direct sun.

**CAUTION READ THIS TECHNICAL
MANUAL BEFORE PROCEEDING!**

Switchable Smart Glass

SWITCHABLE SMART FILM INSTALLATION

Tools & Materials Required

- Plastic scraper
- Rubber roller
- Neutral silicon (Toshiba GE83, Toshiba 38i)
- Cutter
- Nitrile gloves
- Lint-free clean wipes
- Glass cleaner(anti-static, anti-fog, dust-free)
- 99% isopropyl alcohol
- Applicator squeegee/Glass scraper
- Low adhesive tape (painters tape)
- Wire

99% isopropyl alcohol



Cleaning roller



Dirt scrapper knife



Cleaning Spray



Lint free cloth



Non-dust papers



gloves



Tendon scrapper



Wire



Skrapper



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Switchable Smart Glass

SWITCHABLE SMART FILM INSTALLATION

Procedures

- Step 1 - Open the package and place the smart film on a clean surface.
- Step 2 - Be aware of the adhesive side which is marked with a label (label may write: **step 1 remove this film before stick**)
- Step 3 - Test smart film (by connecting wires into transformer) before installation application.
- Step 4 - Make sure the glass is completely smooth. The uneven surface may cause bulbs under the smart film and hard to remove.
- Step 5 - Clean the glass using liquid spray cleaner, spray the glass and use a rubber roller to remove the dust. Wipe the glass with a dust-free absorbent cloth. Use lint-free cloth wipe the glass with isopropyl alcohol until it is dust-free.
- Step 6 - Gradually peel the first 3 inches of the adhesive side protective layer. Be sure no dust falls onto the adhesive side.
- Step 7 - Align the smart film edge with the top edge of the glass. After film in the right position, run your finger along to press down, fix the top edge of the film, so the self-adhesive will hold the film in position.
- Step 8 - Pull away the protective layer slowly, allow the switchable film to adhere to glass. Use rubber roller move in horizontal (side to side) starting from the top.
Note. if bulbs are found, lift the film carefully, check if there is dust stuck to adhesive surface, remove them with adhesive tape.
- Step 9 - Use the soft-edge squeegee to remove bulbs on the edges of the smart film.

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Switchable Smart Glass

SWITCHABLE SMART FILM INSTALLATION

Procedures

- Step 10 - Connect smart film wires to the power transformer.
 Note. -The wire is open-ended on the film, if addition wire is required, customers should buy in local hardware store.
 -There is no battery included in remote control of the transformer. Wall switch also can be used for controlling the smart film.
- Step 11 - First stick tape on the edge of the smart film (2mm shorter than the edge of the film), then apply the neutral silicon sealant along the edge of the smart film. Use a squeegee to ensure silicone equally covering the film. Remove the tape.
 Note. Transparent silicon is recommended.
 Only use NEUTRAL SILICON, other types than the manufacturer recommended may cause damage to the switchable film.
- Step 12 - Wait for silicon to be dry for a minimum of one day.
- Finish. Congratulations! Installation is now completed.



You may also refer to our installation videos from <https://ebglass.net/videos> and <https://youtube.com/c/ebglass>

**CAUTION READ THIS TECHNICAL
MANUAL BEFORE PROCEEDING!**