



## Matters that require attention during installation

- Please install the film properly according to the installing method we indicate.
- Please use the squeezer we recommend.
- There are two separate films; a protective film and the projection screen film, please check both films before the install.
- Please be careful while handling the film as it is easily wrinkled.
- Clean the application area before the install to prevent dust or dirt interference.
- Please use neutral detergent in order to make for an easier install onto the glass.
- Please install film carefully and thoroughly using squeezer.
- As the colour of the film may be different according production, it is not recommended to use different products together.
- More attention is needed when installing the film of more than 100 $\mu$ m.
- Recommended squeezer : Rubber hardness 80 / thickness more than 6mm / width 200mm
- Films overlapping: It is not recommended and our warranty is not available for overlapping of films. When film is applied on another film, the adhesive on SCR coating of film becomes weak.

## How to make neutral detergent

- Please make neutral detergent of appropriate density.
- Please make input 4ml~8ml of neutral detergent into 4liter of water (density: 0.1%~0.2%)
- 4liters of water can be used out for approx. 30m<sup>2</sup>.
- When density is high: Squeezer may slide too much and will affect the installation.
- When density is low: The film can be partially sticky and squeezer is difficult to slide causing remaining water between layers.
- When sprayed on adhesive layer and on window glass evenly, the film can be easily installed on window and squeezed properly.

## In case that water is remained during aging period

- The water or water-drop in adhesive layer can still remain after installation and the film may not be able to clear due to the water remained. This can be solved as water becomes vaporized. But it takes time when sunlight is weak or temperature is low.
- Do not touch the film during aging period.
- Aging period for safety and security film needs one month of aging period after installation (two months in winter or place where air does not flow well).
- The film does not have full performance during the aging period.

## Common Precautions

- When dirt or a hard stuff hits the surface of film, the film can be damaged. Please be careful not to scratch the film by metal or other materials.
- Please do not attach stickers on the film surface and do not draw on it with a pen.



## Maintenance

- When film surface is dirty, the temperature of the film becomes easily higher.
- Also, dirty surface gives a weaker performance such as reflection of the window film.
- In order to maintain performance of the film, regular cleaning is necessary.

### How to clean the installed window film

- Using the rubber squeezer or soft cloth watered, clean with water (do not use a dry cloth)
  - i) Use neutral detergent in case of being heavily dirty (do not use detergent of ammonia, acid, and organic)
  - ii) When dust, metal, and sharp pieces settle on the film, please clean the film adequately using water in advance (when scrubbed too hard, the surface could be damaged)
  - iii) When the rubber squeezer is used to clean the glass, be careful not to hit the film surface with metal parts of squeezer.
  - iv) Please clean the film surface in one way (not back and forth)
- 2. Do not use a dirty brush or scrubbing brush. A dirty brush with a sponge, scrubbing brush or cloth can damage the surface of the window film. The surface of the window film can be peeled off when compound is used.
- 3. Method to remove paint or coating on surface.  
Remove it using toluene or alcohol paying attention to the following:
  - i) Use as small amount as possible for the necessary area.
  - ii) Do not expose the film to the solvent for long time.
  - iii) Make sure the solvent does not touch the edge of film as it can weaken the adhesive of the film causing an inferior image.
  - iv) Finally, clean the film with water.
- 4. Advice for cleaning the exterior film; using a wet cloth, please clean the window removing dust and dirt. And then clean the film as mentioned above.

## Warranty

- Basic warranty period is 5 years for interior film, 3 years for exterior film from installation date.
- As there is exception of warranty according to products and installation method, please refer to our web site for the details.
- User should take note of how to use the film as should check that it is correct product, or not, for the user's purpose.
- Though the contents in this catalogue are based on test experiments, but do not mean absolute safety. Also these do not guarantee the warranty for user's overuse, misuse and faulty activities.