



Transform your project with Suberlev from Falconstema, an innovation in thermal and acoustic insulation.

THERMAL FILM MIROR - SILVER



Technical sheet

DESCRIPTION

It is a foil made of polyester metallized to aluminum by the process "SPUTTER", with a high capacity of total solar rejection of 79% and reflection of ultraviolet rays 98%.

APPLICATION

Recommended for:

- Avoids heat from the summer sun radiation.
- Limits heat loss through radiation and conductivity.
- Provide privacy during the day.
- Uses in laminated glass or large units of glass.
- Commercial and occasionally residential buildings.

PROPERTIES

- They reject infrared and ultraviolet radiation.
- Anti scratch protection.
- In case of breakage, it holds the glass fragments together.
- Durability over time.

SURFACES

- The **surface** should be **smooth** and **clean glass**. And should not be installed on frosted, textured glass, plastic, polypropylene surfaces or cracked, scratched or defective glass.
- the glass must be completely clean and free of dust, dirt or paint splashes etc. It is also recommended to clean the outer surface of the glass to better check the cleanliness of the inner surface.
- It is advisable to use a scraper to remove any dirt on the surface. Also clean the frame in contact with the glass using a damp cloth.

SURFACE PREPARATION

- Carefully remove the back cover from the film. Make sure the adhesive does not come into contact with clothing or other objects that could deposit dust. If this happens, it is advisable to throw away this piece of film.
- Avoid leaving the thermal film too long without its back protection to prevent it from getting dirty. Keep the film flat to prevent it from bending. If it does, separate it carefully.

INSTRUCTIONS

- **Before applying the film**, generously spray a soapy solution on the glass surface and film. This solution facilitates the positioning of film.
- **Once the film is in place**, spray a soapy solution on the film so that the squeegee glides easily and removes any bubbles. Slide the raclette from top to bottom in the center and then from the center to the sides. Spray the solution before each run of the squeegee or wrap it in a damp cloth to help remove excess moisture. If you are not satisfied with the installation of the film (for example, persistent bubbles or particles between the film and the glass), you can remove it and reposition it within 24 hours.
- **Use a cutter to cut off the excess film**, leaving a 1 mm gap from the edge of the window frame, so that the edges of the film do not rise when the glass expands or contracts. Once the excess film has been cut, it is recommended to re-wet the film and run the squeegee again to remove excess moisture or bubbles. During the first 5 to 15 days after installation, windows may appear slightly foggy. This effect will disappear when the water vapor has evaporated.
- **Once the film is installed**, it can be cleaned like any other glass, either with a rubber squeegee or with a soft cloth. Use a soap solution or window cleaner.

RECOMMENDATION OF USE

- Spray the surface with water.
- Remove excess moisture.
- Trim the edges if necessary.
- It is not recommended to install the film when the glass temperature is below 0°C (and for three days thereafter) or above 35°C, or in direct sunlight.
- If the window is more than 1 meter wide, it is recommended that two people install the film.

SALES FORMAT

- 1,52m x 30,5 m = 46,36 m²
- Boxes of 0,76 x 2 m = 1,52 m²
- Boxes of 0,76 x 4 m = 3,04 m²

SPECIFICATIONS/ TECHNICAL DATA SHEET

- **Appearance and Color will be:** SILVER / MIRROR
- **Thickness:** 100 µm
- **Visible light :**
 - Transmitted:** 16 %
 - Absorbed:** 26 %
 - External reflected:** 58 %
- **Solar energy:**
 - Transmitted:** 11 %
 - Absorbed:** 37 %
 - Reflected:** 52 %
 - Total rejected:** 79 %
 - U.V. Rejected:** greater than 98 %
 - Solar factor:** 0,21

PRECAUTION

- Do not use abrasive products such as brushes – this could scratch the film.
- Do not use solvent-based cleaning products.
- Once the cover is removed, protect the window insulation film from dust.
- Avoid touching or cleaning the glass for at least 30 days after installation to allow the film to harden and attach to the glass.

NOTE

SUBERLEV products must be applied by applicators approved by the manufacturer.

The above information is based on our practical experience and laboratory tests. Given the wide variety of construction materials available and the many application methods beyond our control. It is essential to carry out sufficient practical tests and verifications in each case to ensure the compatibility of the product with each specific application.

