

Thermal Film Frosted

Installation Guide & Technical Application Standards

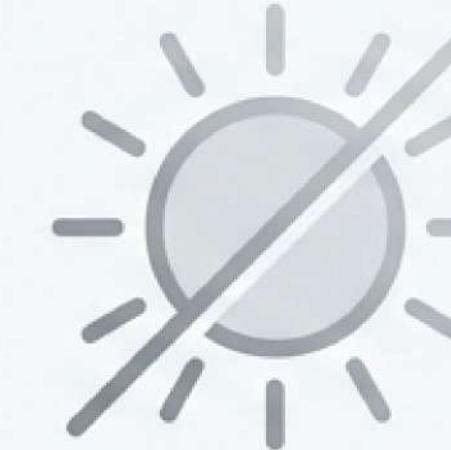
High-performance nanotechnology based on ceramic microspheres.

Operational Readiness & Environmental Limits

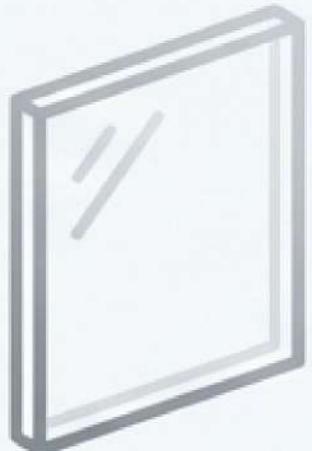


Temperature: Install between 0°C and 35°C.

Warning: Do not install if glass is <0°C (wait 3 days).

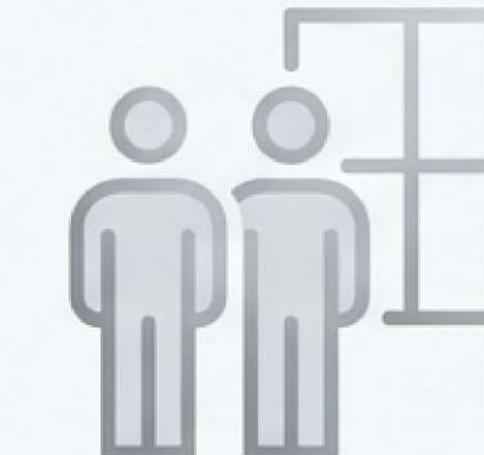


Solar Exposure: Avoid direct sunlight during application.



Surface Compatibility: Smooth, clean glass only.

Prohibited: Frosted, textured, plastic, polypropylene, or damaged/cracked glass.



Team Requirement: Two installers recommended for windows >1 meter wide.

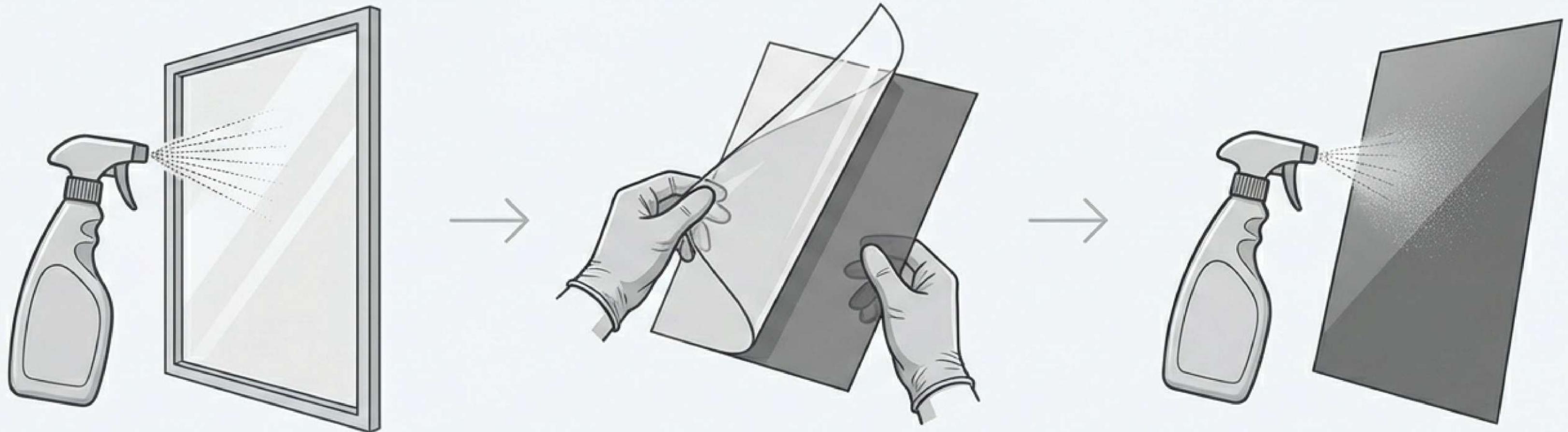


Surface Preparation Protocol

1. **Decontamination:** Glass must be completely free of dust, dirt, and paint splashes.
2. **The Frame:** Wipe down frame/edge contact points with a damp cloth to prevent edge contamination.
3. **Mechanical Cleaning:** Use a scraper to remove stubborn surface dirt.

Insight: Clean the outer surface of the glass as well. This provides a clear visual contrast to identify dirt remaining on the inner surface during the final check.

Fluid Application & Liner Removal



Step 1: Generously spray soapy solution on the glass.

Step 2: Carefully remove back cover. **Warning:** Avoid contact with clothing or dust.

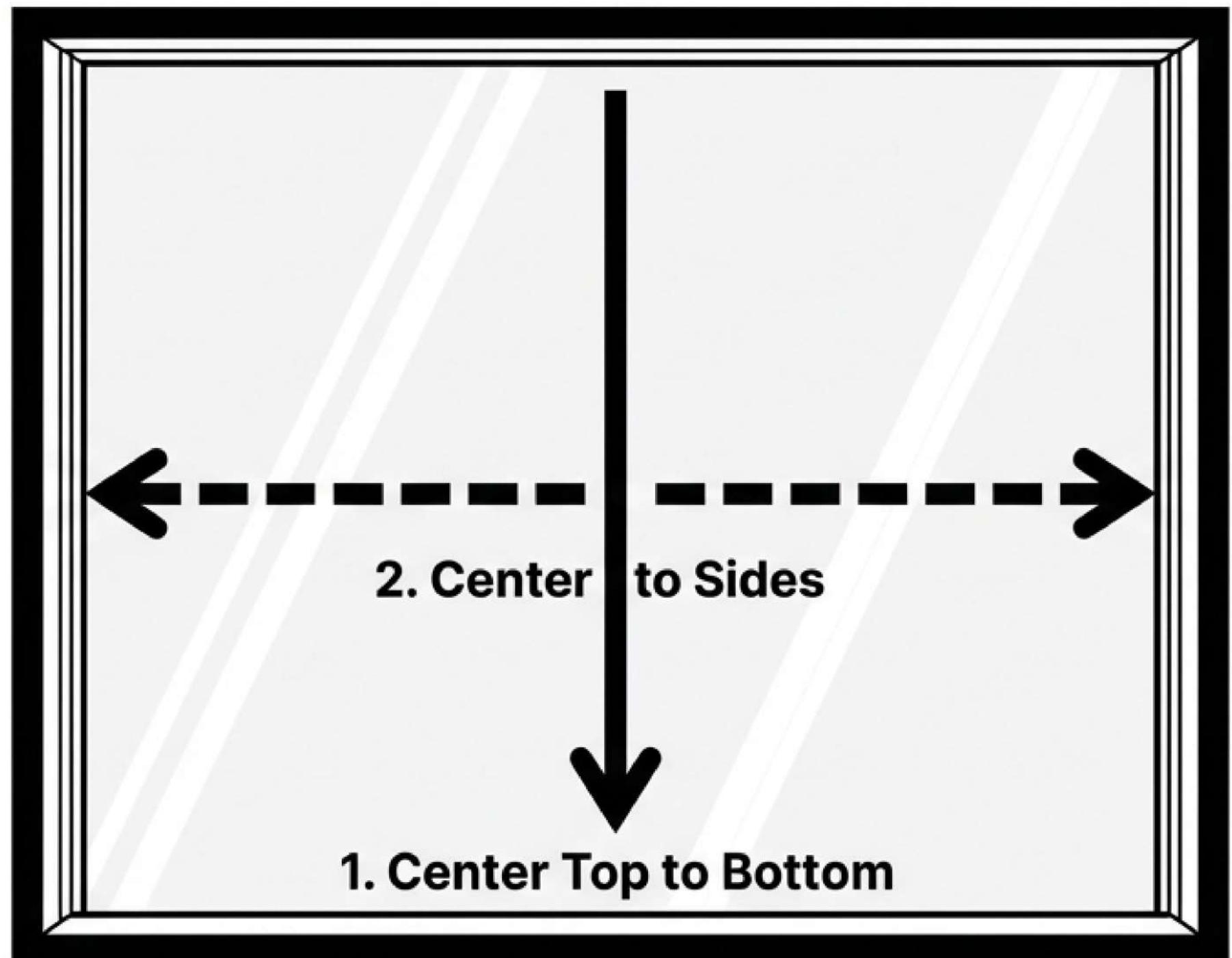
Step 3: Immediately spray adhesive side to neutralize static and facilitate positioning.

Handling: Keep film flat to prevent bending or creasing.

Positioning & Squeegee Technique

- **Glide:** Spray the front of the film with soapy solution before squeegeeing.
- **Tool Tip:** Wrap squeegee in a damp cloth to absorb moisture and protect surface.
- **Correction Window:** Reposition within 24 hours if bubbles persist.

Handling: Keep film flat to prevent bending or creasing.



Trimming & Edge Management



The Golden Rule: Leave a 1 mm gap between the film and the window frame.

- **Why?** Accommodates thermal expansion and contraction to prevent edge lifting.
- **Final Pass:** Re-wet and squeegee edges after trimming.

Handling: Keep film flat to prevent bending or creasing.

The Curing Timeline

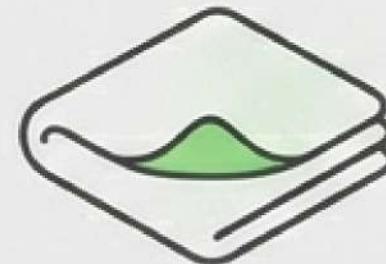


Maintenance & Aftercare

Approved



Rubber Squeegee



Soft Cloth

- Standard soap solution or window cleaner.

Prohibited



Abrasive Brushes



Solvent-based Cleaners

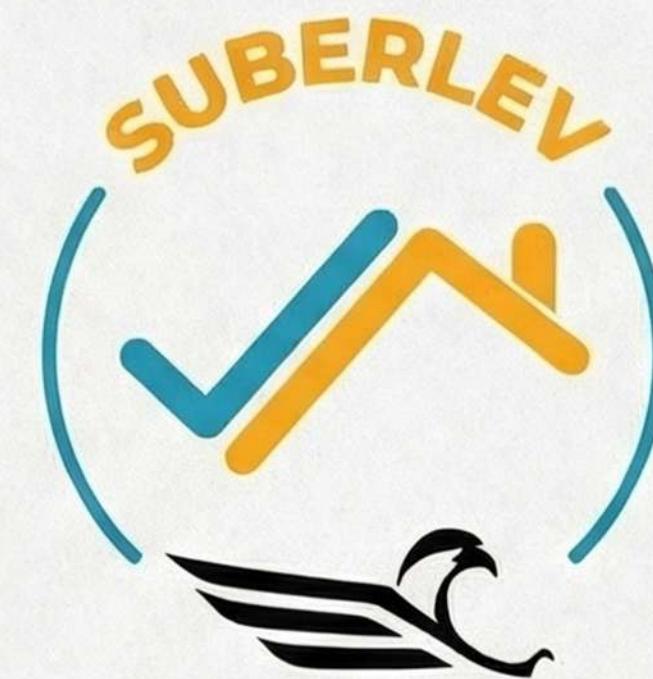
Storage: Unused film shelf life is 3 years (store 5°C - 45°C, away from sun/moisture).

Technical Specifications

Nanotechnology with ceramic microspheres

Appearance	Very light grey / Transparent
Visible Light Transmission (VLT)	67% (Retains luminosity)
Total Solar Energy Rejected (TSER)	49%
UV Reflection	98%
Thickness	50 µm
Safety Feature	Holds glass fragments together in case of breakage

Help Us Help You Innovation in Protection.



The information provided is based on extensive practical experience and laboratory tests.
Practical tests are recommended to ensure compatibility for each specific application.