

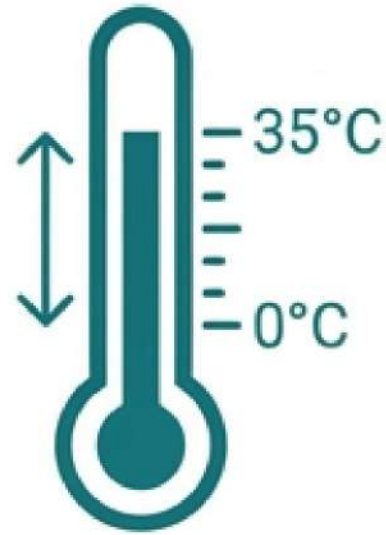


NANOCERAMIC THERMAL FILM

APPLICATION GUIDE & TECHNICAL SPECIFICATIONS

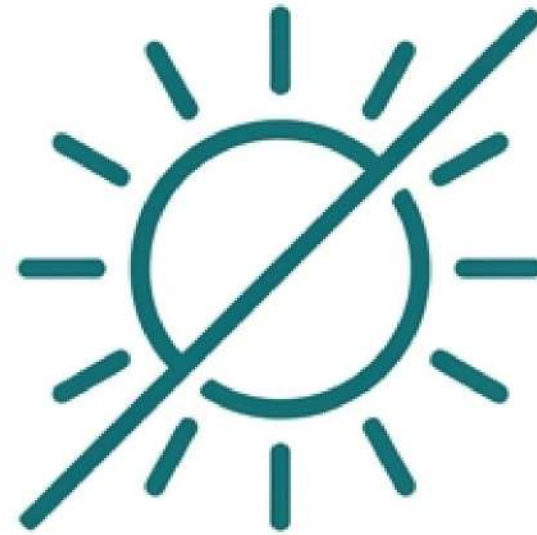
FALCONSTEMA – INNOVATION IN THERMAL AND ACOUSTIC INSULATION

THE CONDITIONS



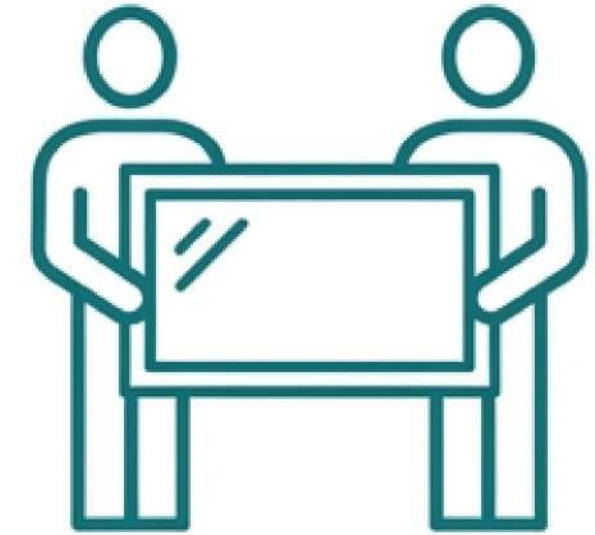
TEMPERATURE

Install between 0°C and 35°C.
Avoid if frost is expected within 3 days.



LIGHT

Do not apply in direct sunlight.



SCOPE

Windows > 1 meter wide
require two installers.

THE CANVAS: SURFACE PREPARATION



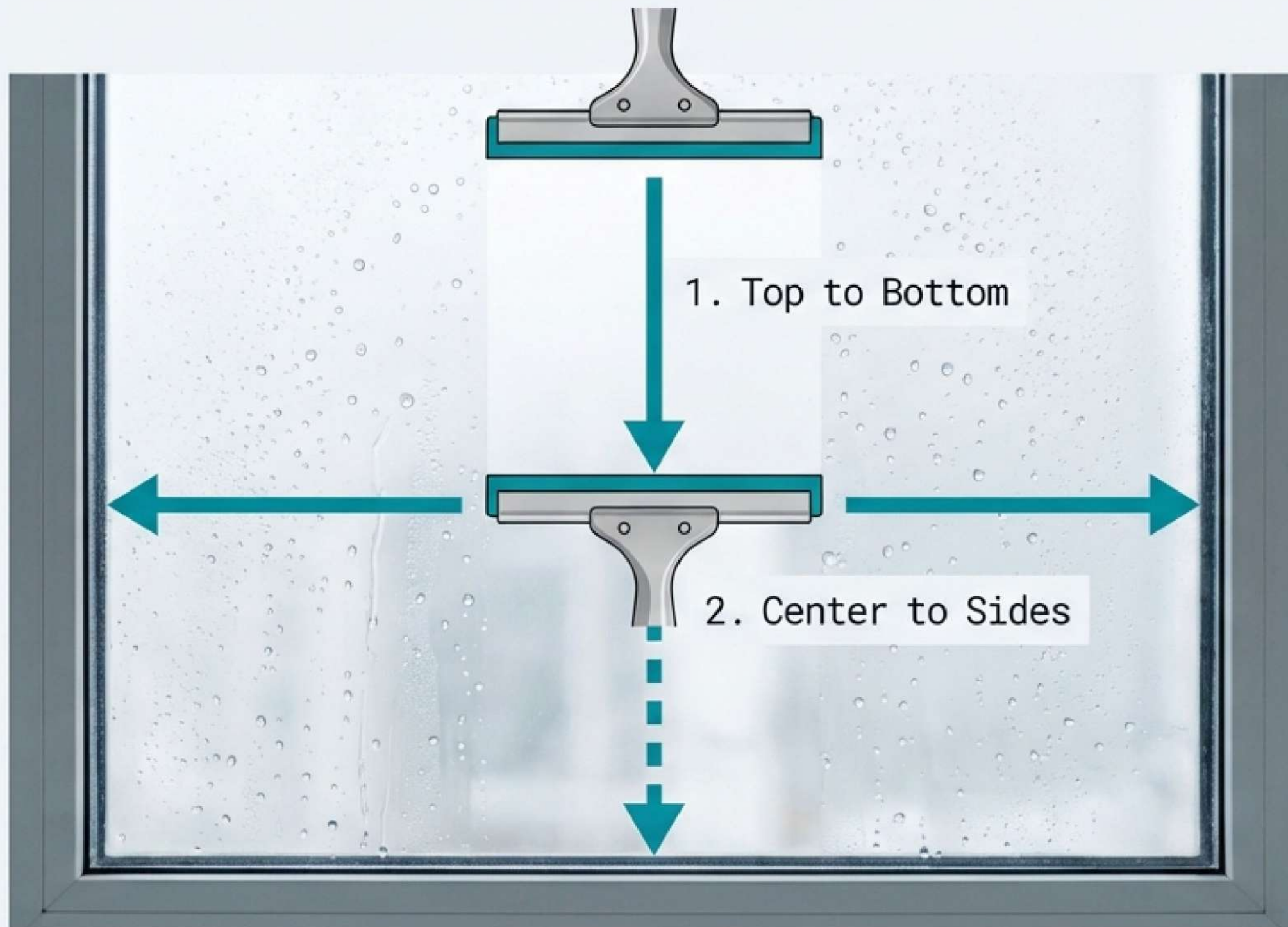
- ✓ Standard: Support must be smooth, clean glass.
- ✓ Prohibited: No frosted, textured, plastic, or defective surfaces.
- ✓ Action: Deep clean to remove dust, grease, and paint.
- ✓ Detail: Clean the outer surface to help identify inner dirt.
- ✓ Tooling: Use a scraper for stubborn dirt. Wipe frames with a damp cloth.

FLUID POSITIONING



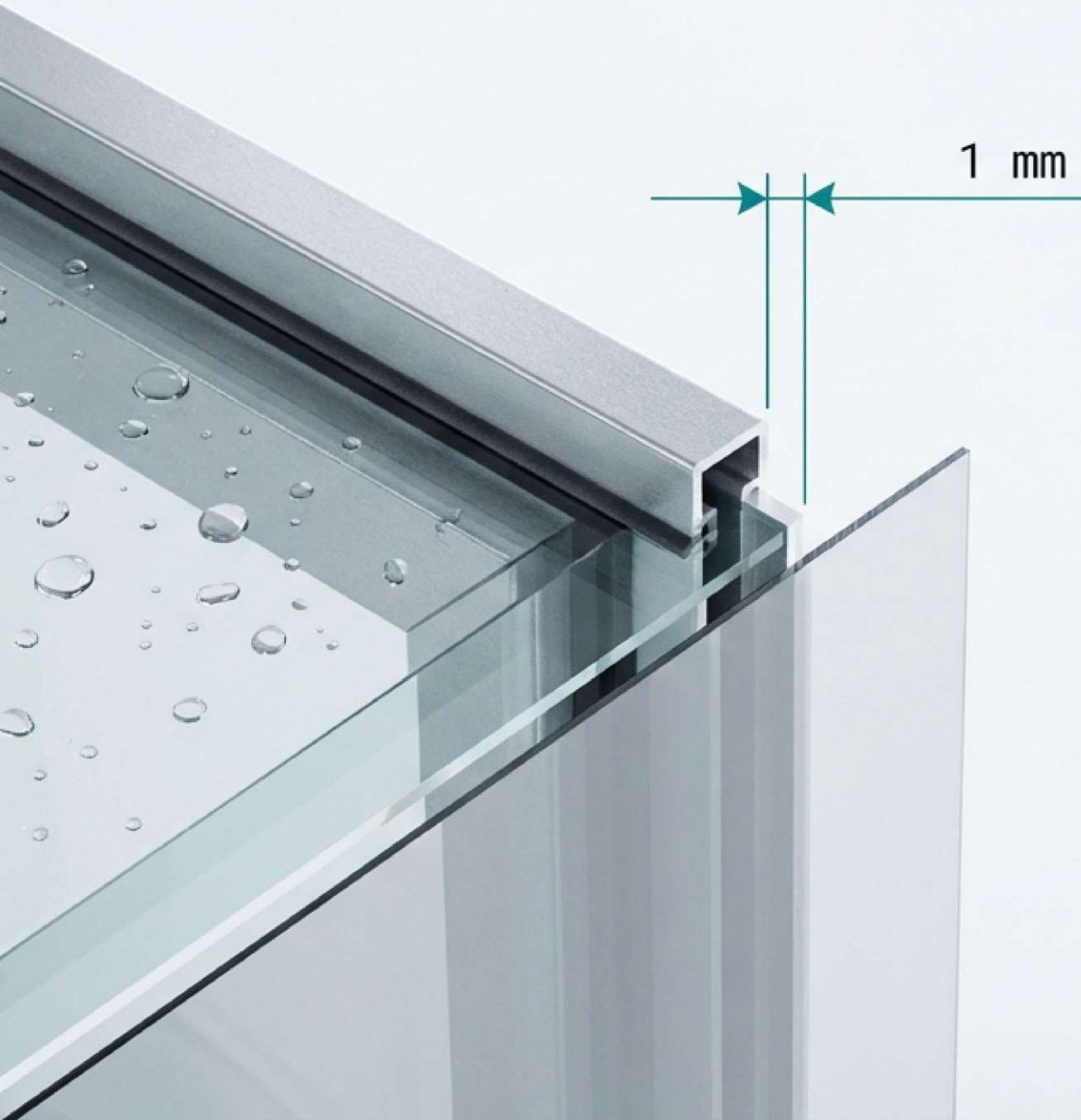
- ✓ **THE CATALYST:** Generously spray a soapy solution on both the glass and the film.
- ✓ **PURPOSE:** Lubrication facilitates gliding and perfect positioning.
- ✓ **HANDLING:** Remove back cover carefully. Ensure adhesive never touches clothing or dust.
- ✓ **WARNING:** Keep film flat to prevent creasing.

EXTRACTION & ADHESION



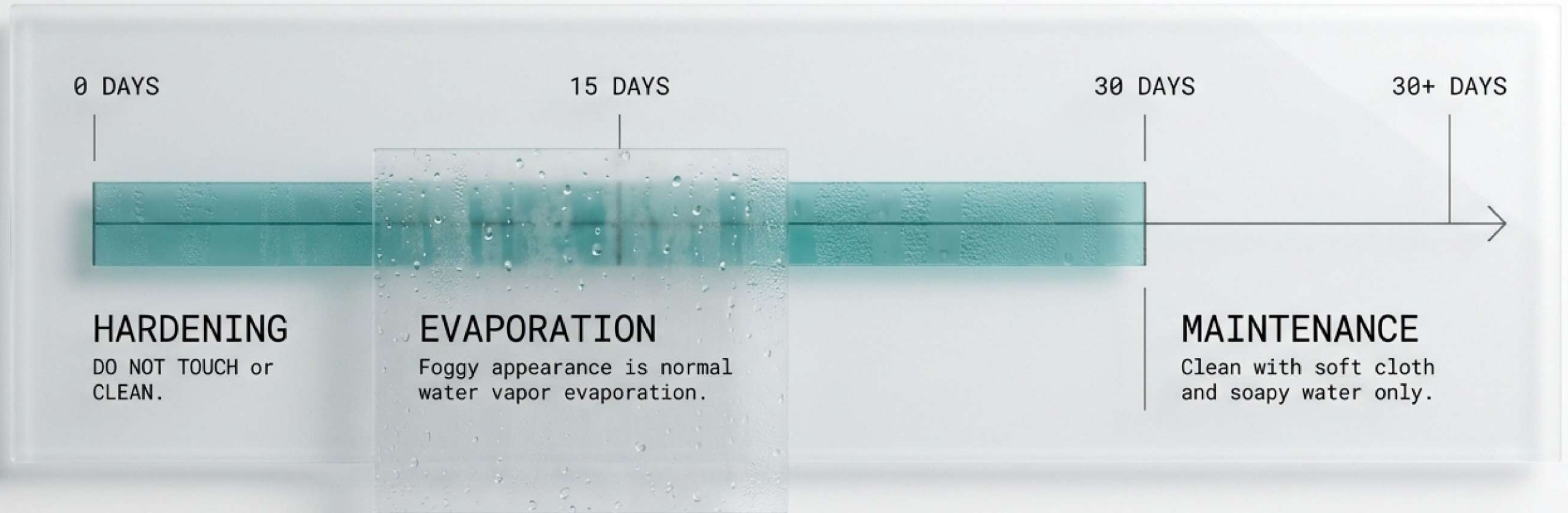
- ✓ **LUBRICATION:** Spray soapy solution OVER the installed film before squeegeeing.
- ✓ **GOAL:** Remove all bubbles and excess moisture.
- ✓ **CORRECTION:** Film can be removed and repositioned within 24 hours if bubbles persist.

THE PRECISION TRIM



- ✓ **THE RULE:**
Leave exactly 1 mm gap from the window frame.
- ✓ **THE REASON:**
Prevents lifting during thermal expansion.
- ✓ **FINAL TOUCH:**
After cutting, re-wet and squeegee edges to seal.

MATURATION & MAINTENANCE



NEVER use abrasive brushes
or solvent-based products.

TECHNICAL SPECIFICATIONS

Thickness	50 μm
Appearance	Very light grey / Transparent
Visible Light Transmission	67%
Total Solar Energy Rejected (TSER)	49%
UV Reflection	98%
IR Reflection	91%
Solar Protection Index (SPF)	+285
Safety	Scratch resistant; holds glass shards

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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.