

INSTALLATION GUIDE

KERNOWJET KRYSTALVIEW

KERNOWJET®
LATEX, SOLVENT & UV

KernowJet KrystalView is an optically clear polyester window graphic film designed for UV, Latex and Eco-Solvent printing. It incorporates a removable pressure-sensitive adhesive suitable for both dry and wet application methods and is intended for application to clean, smooth glass surfaces.

Kernow recommend the following guidelines are followed to ensure a successful application. The user/applicator is responsible for testing the film's suitability for the intended application. Always test a printed sample in the intended surface prior to a full installation.

Recommended tools

- Lint-free cloths
- Isopropyl Alcohol solution for cleaning
- Window scraper for cleaning
- IR thermometer for measuring surface temperature
- Application fluid (our recommendations are provided below)
- Spray bottle for wet application
- Paper towels for wet application
- Tape measure for positioning

Recommended Substrates

Suitable for:

- Interior and exterior glass
- Shopfront windows
- Commercial glazing
- Glass doors
- Display cabinets
- Smooth acrylic glazing

Not recommended for:

- Dirty or contaminated surfaces
- Textured glass
- Frosted or etched glass
- Low surface energy plastics



Surface Preparation

Proper cleaning is critical to achieving optimum appearance and adhesion.

Step 1 – Surface Preparation

Always check the surface is in good condition prior to installation.

Any dust and dirt should be removed using a lint-free cloth. More stubborn debris such as grease, silicone residues, wax and insect contamination should be removed using a window scraper and isopropyl alcohol solution.

Step 2 – Final Cleaning

Clean the application area using:

- Isopropyl Alcohol (IPA) diluted 70–90%
- Clean lint-free wipes

We recommend using the “two cloth” method. Apply IPA with first cloth. Immediately dry with a second clean cloth.

Pay particular attention to:

- Window edges
- Corners
- Rubber seals
- Mullions and frames

These areas often contain silicone or accumulated contamination.

Step 3 – Inspection

Ensure the surface is:

- Clean
- Dry
- Dust free
- Free from residues
- Free from condensation

Do not install onto wet glass unless using the wet application method described on the following page

Environmental Conditions

Recommended installation conditions:

Parameter	Recommended Conditions
Surface temperature	10°C to 30°C
Ambient temperature	10°C to 30°C
Relative humidity	<80%

Avoid installation when:

- Any cracks or hairline fractures are apparent in the glass
- Glass temperature exceeds 30°C
- Direct sunlight causes excessive heating
- Frost or condensation is present

4. Printing & Drying

Prior to installation:

UV Printed Graphics – Allow ink to fully cure before handling.

Latex & Eco-solvent Printed Graphics – Allow prints to outgas fully before lamination or installation. A minimum 24 hours should be allowed and 48 hours preferred for high ink coverage.

Failure to outgas may result in:

- Bubbles
- Silvering
- Reduced adhesion
- Edge lift

5. Wet Application Method

Wet application is recommended for large graphics and full-window coverage.

- Prepare Application Fluid – We recommend Clean water with 2–3 drops of baby shampoo or dish detergent per litre of water. Do not use excessive detergent.
 - We do not recommend use of commercially available sign installation fluids.
 - Too much surfactant can reduce final adhesive performance.
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Wet Application Method

Step 1

- Mist the glass surface lightly with application fluid.
- A light, even coating is sufficient.
- Avoid flooding the surface.

Step 2

- Peel away the first 50mm of release liner and wet the exposed adhesive with application fluid. Holding the graphic at the uppermost corners, apply the exposed adhesive area to the surface.
- Gradually pull the release liner away from the graphic, further spraying the exposed adhesive with the application fluid. Continue removal of the release liner and wetting the adhesive side until the liner is completely removed.

Note: once removed, the release liner can be placed over the printed side to prevent scratching during installation.

Step 3

- Slide the graphic into the desired position. If required, lift the graphic to remove and large air bubbles.

Step 4

- With liner positioned over the graphic, use a soft-edged squeegee to remove the application fluid.
- Begin at the centre
- Work toward the edges
- Use overlapping strokes
- Spraying the liner allows for a “floating” action of the squeegee and is more effective in removing liquid from the graphic below.
- Remove all fluid from beneath the film.
- Use paper towels to gently wipe around the edges of the graphic to absorb excess fluid. This will prevent the application fluid from re-entering around the edges.

Step 5

Pay special attention to:

- Edges
- Corners
- Seams
- Apply additional squeegee pressure where necessary.

6. Dry Application Method

For experienced installers or smaller graphics:

- Position graphic.
- Remove liner gradually.
- Apply using overlapping squeegee strokes.
- Work from centre outward.
- Avoid trapping air during installation.

7. Post Installation

Initial Appearance

Immediately after installation it is normal to observe minor moisture patterns or water pockets. These effects typically disappear as residual moisture evaporates.

Adhesion Build

Final adhesion develops progressively.

Typical adhesion development:

Time	Adhesion Level
Immediate	Low
24 hours	Moderate
72 hours	High
7 days	Full performance

Values depend upon temperature and humidity.

8. Inspection & Finishing

After installation:

- Inspect for trapped moisture.
- Re-squeegee edges if necessary.
- Remove any remaining application fluid from the glass.

Do not clean the graphic for at least:

- 24 hours after dry application
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9. Removal

The film has been designed for clean removability from most glass surfaces.

To remove:

- Lift one corner.
- Peel slowly at approximately 120° angle.
- Remove any residual adhesive with Isopropyl Alcohol or an approved adhesive remover.

Removal characteristics will vary depending on:

- Duration of exposure
- Environmental conditions
- Glass type
- Installation conditions

This guide is designed to help ensure success in application. We recommend pre-installation to achieve the most desirable results.

