



X-Treme

Handling Recommendations

X-Treme is a printable, adhesive-backed vinyl designed especially for outdoor applications in extreme heat or cold and low surface energy (LSE) surfaces in any temperature. Our proprietary adhesive film can be installed in temperatures between +5°F and 122°F. Installation is simple if you use the recommended tools and follow a few basic rules. Please consider the recommendations of this instruction guide carefully.

BASIC ADVICE

Printing

Ensure the film reaches ambient temperature before printing to balance any temperature differences between storage and production areas.

Suitable Printing Methods

- Solvent
- Eco-Solvent
- UV Curable
- Latex
- Screen Print
- Offset

It is essential that the inks are completely dry before **panoRama Protect** laminate, or another laminate, is applied. We recommend a drying time of 24 to 48 hours depending on the specific ink used. Prints should lay in a flat position during that time for proper and thorough degassing to occur.

LAMINATING

Optically clear **panoRama Protect** from Continental Grafix USA, Inc. can be applied without heat (pressure-sensitive). For best results, ensure proper laminator calibration; common lamination issues, such as tunneling and edge-curling when installed often stem from poor calibration. **Use no tension, light pressure, and a slow lamination speed.** After lamination, wait **24 hours before application.** *The quality of the laminator, rollers, and calibration will have an impact on the result.*



PACKAGING and TRANSPORTATION

To avoid tunneling after printing/laminating and related problems during application we recommend the following:

- If possible, allow 24 hours after laminating to package and transport graphics.
- Always wind finished graphics with printed side facing out.
- Do not wind the roll too tightly. Always try to wind it with as much diameter as possible (at least 10" diameter).
- **CAUTION:** Avoid prolonged exposure to cold temperatures prior to installation. DO NOT store X-Treme in a cold vehicle overnight or for long periods of time in freezing temperatures prior to installation. Material will become brittle and difficult to apply. Keep material warm (above +50°F/+10°C) until the material will be applied.

APPLICATION

X-Treme is designed especially for outdoor applications in heat and cold on smooth and slightly curved surfaces including tile, metal, glass, concrete, as well low-surface energy surfaces in any temperature, such as HDPE (trash cans, portable toilets), and wood. NOT RECOMMENDED for freshly painted surfaces.

Cleaning

- For optimal adhesion, application surface must be clean and free of grease and dust.
- **Windows:** Use only mild soap and water to clean surface. Two drops of dish soap like Dawn or Joy in one gallon of water makes a good cleaning solution —**avoid solvent or ammonia-based cleaners**. In low temperatures, consider using warm water or lint-free cloth only. Prevent contact with solvent and ammonia based cleansers. Rinse and dry glass after cleaning with lint-free cloth.
- **Other surfaces:** Remove loose dirt or particles from application surface. Extremely dirty surfaces may require additional washing, following the recommendations for windows above. Surface must be completely dry before graphic is applied.
- Alcohol is not a recommended cleaning agent, however if used, rinse thoroughly with water to remove any residue.

Application Temperature

Ensure a minimum application temperature of **+5°F (-15°C)** and a maximum of **+122°F (+50°C)**, applicable to both the environment and the surface. For best adhesion, store the film at the application temperature for a few hours prior.



METHOD

X-Treme can be applied wet or dry. **Wet application recommended ONLY above +60°F (+16°C).**

1. Lift the upper edge of the liner and fold back approximate 8-12" down one edge depending on the size of the graphic. (*If using wet method, wet application surface now.*) Consider a chalk line or other method to ensure your graphic will be installed and positioned correctly.
2. Carefully position X-Treme so that it is properly aligned, then press exposed edge in place using light pressure. During wet application, take care not to get the back of the paper liner wet prior to removing.
3. Using your hand or a soft plastic squeegee, lightly press the film in place.
4. Working from the top of the graphic to the bottom, continue by peeling away more of the liner and applying light pressure to the film working from the center of the graphic out. Continue in this manner until the liner is completely removed and the graphic is in place.
5. Using soft squeegee from center to all edges carefully push out excess air bubbles or water if wet application.
6. Finally, squeegee the film with firmer pressure from the center and work outward in all directions to the edges.

CLEANING

After installation, clean windows or surfaces gently with mild detergent and soft cloth. **Avoid high-pressure sprayers and mechanical car wash brushes**, as these can lift edges and compromise the graphic.



REMOVAL

Removal is simple on approved or tested surfaces but may require extra care if left long-term.

1. A minimum temperature of **50°F (10°C)** to **86°F (30°C)** is recommended for easy removal.
2. Use a hard squeegee or putty knife to lift a corner and slowly pull at an angle of **45° to 75°**. With continuous motion, pull X-Treme back on itself with consistent pressure.
3. To reduce the chance of residual adhesive residue, **DO NOT** pull out at a 90° angle but instead pull at an 180° angle.
4. In cases of residue, take a small piece of the removed material and dab the adhesive side to the residue. This will help pull any remaining adhesive off the surface.

*Information is based on our knowledge and experience. Not all aspects which should be considered for application will be explained. **Specialized and occupational knowledge and competence of a professional sign maker are presupposed.** Due to the diversity of influencing factors during application and use, we strongly recommend situational tests of our products by customers who wish to use the material for special applications. No legal binding warranty of certain qualities can be derived from our information.*

Thank you for choosing **X-Treme** from Continental Grafix USA, Inc. Please visit us at www.cgxusa.com or contact us directly at (704) 872-2216 with additional handling questions or for warranty information.