



## **X-Treme**

### *Handling Recommendations*

*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.*

**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 INFORMATION**

### ***INK:***

**X-Treme** can be printed with solvent, eco-solvent, and latex inks. Please refer to the HP Media Selector to download media presets for HP Latex printers. It is essential that the inks are completely dry, especially prior to lamination with **panoRama Protect**, **panoRama Cast** or any other laminate. We recommend an out-gassing time of 24 to 48 hours according to the inks used, during which time the prints should lay flat. If the printed film is rolled, complete out-gassing is less likely possible.

### ***APPLICATION SURFACE:***

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

### ***CLEANING:***

Application surface must be clean and free of grease and dust. Glass: 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. In low temperatures, consider using warm water or a lint-free cloth only. Prevent contact with solvent- and ammonia-based cleansers. Rinse and dry glass after cleaning with a lint-free cloth. Other surfaces: Remove loose dirt or particles from application surface. Extremely dirty surfaces may require additional washing, following the recommendations above. Surface must be completely dry before graphic is applied.



## **METHOD OF APPLICATION**

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

### **APPLICATION:**

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. 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.

**\*\*THE EXPERIENCE AND THE DEXTERITY OF THE INSTALLER WILL BE DECISIVE FOR THE BEST END RESULT.\*\***

## **REMOVAL**

Removing **X-Treme**, if installed properly on approved or tested surfaces, should not be a difficult task. Removal recommended at +50°F to +86°F. Use a hard squeegee or putty knife to peel back a corner of the material, and pull slowly at an angle of approximately 45° to 75°. With a continuous motion, pull **X-Treme** back on itself with consistent pressure. To reduce the chance of residual adhesive residue, DO NOT pull out at a 90° angle but instead pull at an 180° angle. Should a small amount of adhesive remain on the surface, take a small piece of the removed material and dab the adhesive side to the residue. This will help pull the adhesive off the surface.