



## panoRama Film™ and panoRama Tape™ *Application and Removal Instructions*

*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.*

The non-adhesive panoRama Film™ products are easy to apply and to remove from the window. Installation is simple if you use the recommended tools and follow a few basic guidelines. Please consider the recommendations of this instruction guide carefully.

### BASIC ADVICE

#### **SURFACES:**

When used with panoRama Tape™, non-adhesive panoRama Film™ is suitable for smooth surfaces. Glass is the most appropriate and easy surface to work with. Other surfaces should be tested prior to application.

#### **CLEANING:**

The surface must be completely free of grease and dust. Use mild soap and water only to clean glass. Dry with a lint-free cloth. We recommend going over the glass with either brown industrial paper or other lint-free material, paying special attention to the corners.

#### **PRINTING:**

panoRama Film™ is equipped with a self-adhesive liner with polyester backing. **\*\*Please remember to remove the liner after printing\*\***. We recommend turning off the preheating system when printing with solvent inks.

A waiting period of 24 -48 hours is recommended to fully ensure inks are properly dry and degassed prior to removing the liner, as well as applying panoRama Tape™. When removing the liner, please take care that the adhesive liner doesn't come in contact with other materials, especially the printed front side of panoRama Film™. Please handle the material with gloves to avoid oils and grease on the printed surface, which can negatively affect the performance tack between the panoRama Film™ and panoRama Tape™.

#### **MOUNTING panoRama Tape™:**

panoRama Tape™ is an ultra-clear transparent double-sided tape with removable adhesive on one side and permanent adhesive on the opposite side. *The permanent adhesive side is on the inside of the roll.* After ink on print is completely dry, lay panoRama Film™ print face up on table surface. **\*\*REMOVE the backing liner before applying panoRama Tape™ \*\***. Apply a strip of the 1" double-faced panoRama Tape™, (permanent side to the panoRama Film™) along the bottom and top edges of the printed material. Be sure to leave the liner on the removable side of panoRama Tape™ (this side should be facing out, towards you) for transporting and final install. Gently burnish panoRama Tape™ on the perforated film with sign maker's plastic squeegee (careful, little pressure). To transport to application location, we recommend rolling the print into tube, print side out.



## APPLICATION

Please make sure the backing of the non-adhesive panoRama Film™ has been removed before applying to the window. panoRama Tape™ will perform only when applied to dry surfaces. The poster shall not overlap the surface nor shall it be applied to the frame of the window. A 2-3 mm space is recommended between the end of the poster and the window frame.

### *APPLICATION TEMPERATURE:*

The application temperature must be at least 55°F and no more than 90°F. These values relate to the outside temperature as well as to temperature on the mounting surface. For optimum tack, we recommend that panoRama Tape™ be stored at the same application temperature for a few hours before you start with the application process (i.e., allowed to acclimate).

### *FOR SMALL SURFACES:*

Remove panoRama Tape™ liner (so you can apply the removable side of the tape on the window) and apply it on the inside of the glass. Gently burnish the area with the tape to ensure a strong bond with the surface.

### *FOR LARGER SURFACES:*

1. Carefully position panoRama Film™ so that it is properly aligned on all sides. Tack the poster onto the window with painter's tape or other low tack adhesive.
2. Remove panoRama Tape™ liner at the top of the graphic only.
3. Using your hand or a soft plastic squeegee, lightly press the film in place.
4. Gently stretch the graphic to the bottom and fix it with the second strip of double face tape at the bottom of the graphic.
5. Using a utility knife, carefully trim away any unneeded portion of graphics, if necessary.
6. Tiled graphics: If you are installing more than one panel, properly align the next graphic in relation to the adjoining panel(s). In the case of graphics that must seam together, install the two pieces in such a way that the edges of the film butt against each other, with the holes aligned (don't overlap the two edges of the film). Consider a gap of at least 1 mm. Follow the steps 1 through 5 above.
7. Finally, squeegee the film from the center and work outward in all directions.
8. Take care that the edges are well applied onto the window.
9. For very large or difficult applications we suggest rounding the edges of the graphic, which helps maintain tack in the window corners. For extremely large prints, you may also need to apply small strips of panoRama Tape™ at each side of the print.

## REMOVAL

Removing the panoRama Film™ with panoRama Tape™ should not be difficult, especially from glass. Lift a corner of the print and tape and pull it down slowly. panoRama Tape™ has been developed to be removable without residue, however, in the rare case there is some adhesive residue on the glass, use a cloth with in mild detergent and a plastic squeegee to scrap off the remaining residue.

Thank you for choosing a product from our panoRama family!