

INSTRUCTIONS FOR USE

A STEP BY STEP GUIDE TO USING PORTABLE DISPLAY FILM

PORTABLE DISPLAY FILM

APPLICATION Portable Display Film is intended for use as the printable part of a two part pop-up construction. It is suited to both aqueous dye and pigment ink use. To get the best results the media should be finished with a non-reflective and scuff resistant pressure sensitive laminating film. The media can be laminated by using the appropriate finishing materials (see later for suggestions).

HANDLING To avoid damage to the coatings before printing Portable Display Film should not be subjected to rough handling and should be handled by the edges as with any high-end photo media type.

PRINTING Please check www.ilford.com for details on suggested driver settings or ICC profiles for use with your printer. Like any form of calibration, fine-tuning may be required to cover local variables and preferences.

DRYING To ensure the maximum life expectancy and also easy post-print handling and finishing ensure that the print has time to dry after printing: with dye inks the print may feel dry but will still require time for solvents from the inks to come out. The drying time will depend on a number of variables including ink load, temperature and RH. In general, this usually occurs within 4 hours at 50 % R.H. and at an ink loading of around 250%.

For pigment inks please follow the suggestions of the ink supplier; in general these inks may require at least 24 hours to fully cure after printing. This drying time is required for the ink layer to become resistant to smudging or smearing.

FINISHING RECOMMENDATIONS The following settings are recommended for lamination with a non-reflective, scuff resistant and textured pressure sensitive laminating film:

Pressure:	30-80 PSI
Temperature of top and bottom rollers:	Less than 45°C (110°F)
Speed:	1 meter/minute (3 feet/minute)

The tension of the film should be as low as possible (adjustable by means of the unwind brake).

Hints To simplify the working conditions and to ensure a flat display we recommend laminating your image with the help of a support plate (PVC board).

1. First prepare a PVC board with a siliconised liner mounted on top.
2. Ensure that the nip setting of the roller corresponds to the board thickness.
3. Push the edge of the board into the rollers and press the foot switch until the board enters the nip.
4. Place your image face-up on the board, press the foot switch down and press down on the print (on the support plate) from the centre toward the edges to ensure a smooth surface.

Notes: Do not stop the machine whilst an image is being laminated as this can cause stop marks on the output.

Remove the support board and the pop-up from the rear of the laminator and trim the pop-up to the required size.

The display should remain flat for at least 4 hours after lamination. When rolled the laminated side should be outwards. Remember that dust free conditions are essential for good quality lamination.

Portable Display Film is slightly sensitive to humidity variation. When combined with a pressure sensitive laminate and mounted in a retractable support it will normally remain flat to within a tolerance of +/- 2cm of curl under the following conditions: 20°C to 30°C and 25% to 80% R.H.

When used as part of a retractable display it needs to be unrolled between 30 minutes and 2 hours before presentation for best flatness.

The configuration and method that your display system employs to hold the print has a significant effect on the tension and flatness of the graphic when displayed. If you are not satisfied we recommend that you experiment with alternative systems.

When used with dye based inks, all unprotected 'instant dry' nanoporous media may suffer from 'gas fading' to some degree, depending on the display environment. To extend print life, they should be laminated or otherwise protected, or printed with pigmented inks.