

## INSTANT DRY BACKLIT DISPLAY FILM

- APPLICATION** ILFORD OMNIJET INSTANT DRY BACKLIT DISPLAY FILM is intended for use in backlit photo display applications, and is suited to both aqueous dye and pigment ink use. The media can be mounted and or laminated by using the appropriate finishing materials (see later for suggestions).
- HANDLING** To avoid damage to the coatings before printing ON3TF6 should not be subjected to rough handling and should be handled by the edges, as with any high-end photo media type. This is especially critical in an application where light shines through the image.
- PRINTING** Please check [www.ilford.com](http://www.ilford.com) for details on suggested driver settings for use with windows drivers 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, as well as 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. 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.

The drying time will depend on a number of variables including ink load, temperature and RH. In general, prints are generally dry within 4 hours at 50 % R.H. and at an ink loading of around 250%. However, as many graphics intended for use as backlit displays are very colorful they tend to have higher than average ink loads and require consequently longer drying times. Drying times of 12 to 24 hours are recommended.

### FINISHING RECOMMENDATIONS

The following settings are recommended for lamination or mounting with pressure sensitive adhesives. For backlit display use we suggest using a pressure sensitive optical clear mounting adhesive for face mounting, and a matt hot lam for front protection where applicable:

Pressure:	30-80 PSI
Temperature 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).

### APPLICATION HINTS

To simplify the working conditions and to ensure a flat display (single print at a time) we recommend laminating your image with the help of a support plate (P.V.C board).

First prepare a PVC board with a siliconised liner mounted on top.  
Ensure that the nip setting of the roller correspond to the board thickness.  
Push the edge of the board into the rollers and press the foot switch until the board enters the nip. 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.

For particular mounting jobs, where there is the possibility of contact between the rollers of the laminator and the front or back of the film, it is necessary to use an interleaving material, such as release liner or paper.

- 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 print 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. If rolled the laminated side should be outwards.  
Remember that dust free conditions are essential for good quality lamination.  
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.