



TECHNICAL DATA SHEET - DIGITAL PRINTING - MICRO-PERFORATED PVC FILM

MICRO I

160- μ m, micro-perforated, colaminated (black/white), polymeric PVC film which is coated with a pressure-sensitive, acrylic adhesive. Suitable for standard solvent, eco-solvent and latex inkjet printing.

FILM FEATURES:

	<u>Average values</u>
• Thickness (μ m):	160
• Micro-perforation (%):	30
• Elongation at break (%):	min. 50

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	Latex
MICRO I	✓	✓	✓

LINER:

- Non-perforated, silicone-coated PE paper of 140 g/m²

ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• 180° peel strength test (N/25 mm) on glass: after 24 hours of application	8	HEXFTM001

ADHESIVE:

- Pressure-sensitive, clear, acrylic adhesive (not repositionable)
- Immediate adhesion; best after 24 hours of film application

USER'S INSTRUCTIONS:

- Before printing remove the first winding of the roll that has been exposed to air for over 12 hours.
- The opened roll must be properly closed right after its use by applying an adhesive tape (Tiro) or a roll gripper (DSERBO).
- Touch-dry at the latest 15 minutes after application depending on the printer used.
- Apply to untreated, clean, dry and non-submerged mineral glass.
- Before application, clean the substrate with solvent-free and ammonia-free detergents only.
- Leave a 5-mm space between the window sealings and the edge of the MICROI film. Never apply the film directly to the window sealings.
- Minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: from -20 °C to +65 °C (from -4 °F to +149 °F)
- It is possible to peel off the film from the substrate. Remove residual adhesive if necessary.

Caution: This micro-perforated film cannot be used on emergency exits of public passenger transport vehicles (*Annex 5 of the Geneva Regulation R43 or the 92/22/CEE directive*). The client is strongly advised to contact the competent local authorities that will establish the conformity of the vehicle with the road traffic regulations in effect.

RECOMMENDATIONS FOR USE:

- On flat substrates: laminating with an adhesive-coated, extra-clear, cold laminate (PG836) is recommended; use a laminator to proceed.

DO NOT USE hot laminating films (hot encapsulating).

- For vehicle rear windows (slightly curved) we recommend you use our "cast" cold laminate PC50MICP2.
- The adhesion of edges and corners of the MICROI film can be reinforced with our self-adhesive edge sealing tapes "FPG836" for flat surfaces, "FPC50MICP2" for slightly curved substrates or our sealing varnish VR7077 in case of extreme mechanical stress.

The sealing must be done by superposing the tape or the varnish between the MICROI film and the glass substrate while avoiding any contact with the sealing joints.

- For further information on the application method of the MICROI film, please refer to the Application Guide for micro-perforated films available on the "Professionals" pages, category "Digital printing" on our website at www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):
The shelf life of this film is 1 year if it is stored at a temperature ranging from 15 °C to 25 °C (from 59 °F to 77 °F), with relative humidity of 50 %, in its original packaging, in an upright position, in a dust-free environment.

DURABILITY:

- Vertical outdoor exposure: 2 years
- Removability: up to 1 year without significant residues (upon substrate).

NOTES:

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in use.

All information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at www.hexis-graphics.com.