



TECHNICAL DATA SHEET - DIGITAL PRINTING - MICRO-PERFORATED PVC FILM MICRO6

Film composed of a 160- μ m micro-perforated, colaminated (black/white), monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. For solvent and eco-solvent inkjet printing.

The product components enable the printing of graphics on one side (white side) while maintaining the possibility to look through from the opposite side (black face).

This film is intended for flat surfaces.

FILM FEATURES:

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

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent
MICRO6	✓	✓

LINER:

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

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

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

ADHESIVE:

- Pressure-sensitive, colourless, acrylic adhesive.
- Immediate film adhesion, optimal after 24 hours of contact.

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 after less than 15 minutes depending on printer used.
- Before installation, check that the film is completely dry to avoid excessive elongations.
- 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 MICRO6 film. Never apply the film directly to the window sealings.
- Minimum application temperature: +10 °C (+45 °F).
- Operating temperature range: -10 °C to +50 °C (+22 °F to +140 °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.

OPERATING RECOMMENDATIONS:

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

DO NOT USE heat-sealing (heat encapsulating) film.

- The adhesion of edges and corners of the MICRO6 film can be reinforced with our self-adhesive edge sealing tapes "FPG836" or our sealing varnish VR7077 in case of extreme mechanical stress.

The sealing must be done by superposing the tape or varnish between the MICRO6 film and the glass substrate while avoiding any contact with the sealings.

- For more information on the application method of the MICRO6 film, please refer to its Application Guide on the "Professionals" pages, category "Digital printing media" on our website www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):

The shelf life of this film is 1 year when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C and +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

DURABILITY:

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

NOTES:

Due to 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 the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website www.hexis-graphics.com.