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

MICRO1

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

FILM FEATURES:

	Indicative values
• Thickness (µm):	160
• Micro-perforation (%):	30
• Elongation at break (%):	min. 50

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex
MICRO1	✓	✓	✓

LINER:

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

ADHESIVE PROPERTIES:

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

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

ADHESIVE:

- Colourless, pressure-sensitive acrylic adhesive (non-repositionable).
- 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 rolls must be properly closed right after their use by applying an adhesive tape (masking tape) or a roll gripper (DSERBO).
- Touch-dry after less than 15 minutes depending on printer used.
- Apply to untreated, clean and dry mineral glass. Not to be immersed in water.
- Prior to application, clean the substrate with solvent- and ammonia-free detergents only.
- Leave a 5-mm space between the window seals and the edge of the MICRO1 film. Never apply the film directly to the window seals.
- Minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -20 °C to +65 °C (-4 °F to +149 °F).
- It is possible to peel the film off the substrate. Remove residual adhesive if necessary.

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

OPERATING RECOMMENDATIONS:

- On flat substrates, it is recommended to laminate with an adhesive-coated, extra-clear, cold laminating film (PG836), applied using a laminator.

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

- For vehicle rear windows (slightly curved), we recommend using our "cast" cold laminate PC50MICP2.
- The MICRO1 film's adhesion at edges and corners can be reinforced with our self-adhesive edge sealing tapes "FPG836" for flat surfaces, "FPC50MICP2" for slighty curved substrates or our sealing varnish VR7077 in case of extreme mechanical stress.

The sealing must be done by superimposing the tape or varnish between the MICRO1 film and the glass substrate while avoiding any contact with the seals.

- For more information on the application method of the MICRO1 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 one year when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C to +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).

CERTIFICATIONS:

- This product is B-s1, d0 classified according to the European standard EN13501-1:2018: Fire classification of construction products and building elements (protocol no. EFR-23-000014-Revision1).

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application.

The measuring methods for the standards quoted above served as the 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 of the published information is based on measurements regularly performed in the laboratory. The published information 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.