



TECHNICAL DATA SHEET - DIGITAL PRINTING - MICRO-PERFORATED PVC FILM MICRO I70UV

Film composed of a 180- μm , micro-perforated, colaminated (black/white), monomeric PVC, which is coated with a removable pressure-sensitive adhesive. For UV inkjet printing.

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

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness (μm):	180	
• Micro perforation rate (%):	40	
	<u>Average values</u>	<u>Standard</u>
• Shrinkage (%):	< 0.8	FTMI4

GENERAL PRINTER COMPATIBILITIES:

	UV
MICRO I70UV	✓

LINER:

- Double liner of 98 g/m², composed of a perforated, silicone-coated paper, which is colaminated while it is hot with a non-perforated polypropylene film.

ADHESIVE PROPERTIES:

	<u>Average value</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm): after 24 hours of application	7	FTMI
• Release (N/25 mm):	0.1	FTM3

ADHESIVE:

- Solvent-based adhesive.
- Immediate adhesion; removable adhesive.

USER'S INSTRUCTIONS:

- Touch-dry right after printing.
- Film cutting following printing must be carried out with scissors or a new cutter blade.
- Apply to non-immersed, dry, clean and untreated mineral glass.
- Prior to application, clean the substrate with solvent- and ammonia-free detergents only.
- The liner must be removed very carefully from the two first centimeters of the film width in order to avoid any separation of the two liner layers.
- Dry application.
- Minimum application temperature: +8 °C (+46 °F).
- Operating temperature range: from +15 °C to +33 °C (+59 °F to +91 °F).
- Leave a 5-mm space between the window sealings and the edge of the MICRO170UV film. Never apply the film directly to the window sealings.
- Good dimensional stability.
- It is possible to peel off the film from the substrate. Remove residual adhesive if necessary.
- To comply with REACH regulation, please be aware of the presence of bis(2-ethylhexyl) phthalate (DEHP) at a concentration of 0.13 % weight by weight (w/w).

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:

- For the protection of your prints, use the PC50MICP2 laminate for micro-perforated films.
- The adhesion of edges and corners of the MICRO170UV film can be reinforced with our self-adhesive edge sealing tape "FPC50MICP2" for slightly curved surfaces or our sealing varnish VR7077 in case of extreme mechanical stress.

The sealing must be done by superimposing the tape or varnish on the MICRO170UV film and the glass substrate while avoiding any contact with the sealings.

- For more information on the application method of the MICRO170UV 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 an average temperature of 22 °C (72 °F) with relative humidity between 50 % and 55 %.

DURABILITY: (Central European climate)

- Vertical outdoor exposure:

Unprinted: 1 year upon substrate. Up to 8 months after application without adhesive residues.

Printed and laminated: 1 year (if the print edges are sealed by a sealing varnish).

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.

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.