



TECHNICAL DATA SHEET - DIGITAL PRINTING - MICRO-PERFORATED PVC FILM (REMOVABLE ADHESIVE)

## MICROINSID

Film composed of a 140- $\mu$ m micro-perforated (black/white) PVC, which is coated with a removable pressure-sensitive adhesive. For indoor purposes (windows and glass doors). For solvent and eco-solvent inkjet printing. The product components enable the printing of graphics on one side (adhesive-coated white side) while maintaining the possibility to look through from the opposite side (black side). This product is MI classified according to the French standard for fire behaviour (protocol no. P171704 DE/2).

### **FILM FEATURES:**

#### Indicative values

- Thickness ( $\mu$ m): 140
- Micro-perforation (%): 40

### **GENERAL PRINTER COMPATIBILITES:**

	Solvent	Eco-solvent
<b>MICROINSID</b>	✓	✓

### **LINER:**

- Adhesive-coated, non-perforated PET liner.

### **USER'S INSTRUCTIONS:**

- This product is MI classified according to the French standard for fire behaviour (protocol no. P171704 DE/2).
- Wearing lint-free gloves is mandatory for handling.
- The film must always be wound with the adhesive-coated face on the outer side.
- Printing must be done on the adhesive-coated white face.

*Graphics with vivid colours may require a high-level ink saturation during printing.*

- Depending on the printer, set the feed rollers to medium pressure and, to limit film slipping during printing, unroll the film manually (while preventing it from touching the ground).
- Insert the film into the printer at least 10 mm prior to starting the printing.
- Recovery and drying of the film must only be done in a flat position right after the printing operation.
- Inks touch-dry after less than 10 minutes depending on printer used.
- Optimal drying time for the inks is 24 hours.
- After the inks are dried, the adhesive-coated face of the MICROINSID must be protected with silicone-coated PAPPERDU paper.

- Removal of the protection liner of the black side must be done only after complete application of the film.
- Transportation of the dry film: wound around a cardboard core (printed face on the outer side).
- Indoor application to dry and clean windows and glass doors.
- Prior to application, clean the substrate with solvent-free detergents only.
- Leave a 1-mm space between the window sealings and the edge of the MICROINSID film. Never apply the film directly to the window sealings.
- Application temperature: from +10 °C to +50 °C (+50 °F to +122 °F).
- It is possible to reposition and remove the film without leaving any adhesive residues (depending on the substrate).

*The residual adhesive can be easily removed using a standard window cleaner.*

### **OPERATING RECOMMENDATIONS:**

- For more information on the application method of the MICROINSID film, please refer to its Application Guide on the "Professionals" pages, category "Digital printing media" on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).

### **STORAGE:**

- Shelf life (before application):  
The shelf life of this film is 1 year when stored unopened in its original packaging at a temperature ranging from +20 °C to +25 °C (+68 °F to +77 °F) with relative humidity between 40 % and 60 %.

### **DURABILITY:**

- Vertical indoor exposure: up to 2 years without adhesive traces.

### **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 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](http://www.hexis-graphics.com).