



## DATA SHEET DIGITAL PRINTING MICRO-PERFORATED VINYL MICRO140UV

Monomeric 145µm colaminated (black/white) micro-perforated PVC film coated with a pressure sensitive acrylic adhesive, destined for inkjet printing with UV-inks.

The composition of the product permits the printing of a graphic on one side (white face) while maintaining vision through the film from the other side (black back).

### **CHARACTERISTICS OF THE FILM:**

	<u>Average values</u>
• Thickness (µm):	145
• Micro-perforation:	40%

### **PRINTER COMPATIBILITY:**

	<b>UV</b>
MICRO140UV	✓

### **LINER:**

- Silicone coated paper liner 135g/m<sup>2</sup>.

### **ADHESIVE:**

- Optically clear removable pressure sensitive acrylic adhesive (not repositionable).
- Adhesion is immediate with optimum after 24 hours of contact.
- Good resistance to solvents

### **GUIDE FOR USAGE:**

- Do not heat above 35°C (95°F) during the printing process.
- Touch dry after less than 15 minutes depending on printer.
- Solvent-based inks.
- Apply on non-submerged untreated clean and dry mineral glass.
- Clean substrate before application only with detergents without solvents and without ammonia.
- Leave a 5mm/2.2in-space between the sealing joints and the edge of the MICRO140UV film; do not ever apply on sealing joints.
- Dry application.

- Application temperature: 10°C to 30°C (50°F to 86°F)
- Exposure temperatures: -17°C to +50°C (-1.4°F to +122°F)
- Good dimensional stability.
- May be removed by peeling off the surface. Remove adhesive residues if necessary.

**Caution:** This micro-perforated film cannot be used on emergency exits on public transport vehicles (does not comply with annex 5 regulation R43 of the Geneva Meeting or Directive 92/22/EEC). The client is advised to contact the competent local authorities who will establish the conformity of the vehicle with the applicable highway laws and regulations.

## **RECOMMENDATION FOR USE:**

- Before laminating or further processing the optimum drying time of the inks is 24 hours minimum.
- To protect prints use the laminate for micro-perforated films PC50MICP2.
- The adhesion of the edges and corners of the MICRO140UV may be reinforced with the sealing tape FPC50MICP2 on slightly curved substrates or our sealing varnish VR7077 in cases of extreme mechanical stress.

*The sealing must be done by superposing the tape or the varnish over the MICRO140UV film and the glass substrate avoiding any contact with the sealing joints.*

- For further information on the application methods of the MICRO140UV refer to the application guide on the Professionals pages of our website [www.hexis-graphics.com](http://www.hexis-graphics.com).

## **STORAGE:**

- Shelf life (before application):  
1 year if stored at a temperature between 15°C and 20°C (50°F to 68°F) and at 50% relative humidity in the original packing in a vertical position in a dustfree environment.

## **DURABILITY:**

Vertical outdoor exposure:

- Unprinted : 1 year
- Printed and laminated : 1 year
- Negligible adhesive residues up to 6 months after application.

These results are obtained with vertical outdoor exposure under central European climatic conditions. The durability of the films depends on climatic conditions, the angle of exposure, as well as on the preparation of the substrate and the maintenance of the film. Exposing the film at an angle in a hot climate (desert, tropics...) may result in the diminution of the durability of the films.

### **Note:**

Because of the great variety of substrates and possible application methods the installer must examine the suitability of the media for each application. The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force.

All published data are based on measurements carried out regularly under laboratory conditions. They do, however, not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The seller assumes no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: [www.hexis-group.com](http://www.hexis-group.com)