



## DATA SHEET DIGITAL PRINTING MICRO-PERFORATED VINYL MICRO4

Monomeric 100 micron colaminated white micro-perforated PVC film coated with a black pressure sensitive acrylic adhesive, for solvent inkjet printing.

### **SPECIFICATIONS:**

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	100	
• Total caliper (µm):	255	
• Total specific weight (g/m <sup>2</sup> ):	250	HEXGSM001
• Specific weight adhesive perforated film (g/m <sup>2</sup> ):	120	HEXGSM001
• Micro-perforation:	32 %	
• Tensile strength (N/25mm):	min. 25	HEXNFX41021
• Elongation at break (%):	min. 40	HEXNFX41021
• Dimensional stability (mm): after 168 hours à 70°C	< 0.8	HEXRET001

### **PRINTER COMPATIBILITY:**

- Solvent inkjet printers.

### **LINER:**

- Unprinted and non-perforated silicone coated paper liner 140 g/m<sup>2</sup>.

### **ADHESIVE PROPERTIES:**

- |                                |     |           |
|--------------------------------|-----|-----------|
| • 180° peel on glass (N/25mm): |     | HEXFTM001 |
| 20 minutes after application   | 4   |           |
| 24 hours after application     | 8   |           |
| • Initial tack (N/25mm):       | 2   | HEXFTM009 |
| • Release (N/25mm):            | 0,5 | HEXFTM003 |
- The adhesive is resistant to most chemical agents (alcohol, diluted acids, oils).

## **RECOMMENDATIONS:**

- Touch dry after less than 15 minutes depending on printer.
- For use with solvent based inks.
- Apply on dry and clean glass.  
Degrease target surface with ND45 in particular near the edges (avoid contact with seals).  
To clean the glass surface use “EasyPose”, rinse and dry thoroughly.  
Do not use ammoniac or other window cleaners before application.
- Minimum application temperature: +10°C (+50°F).
- Exposure temperatures: -10°C to +50°C (-14°F to +122°F).
- Not suitable for submersed applications.
- Do not heat above 35°C (95°F) during the printing process.
- Black acrylic pressure sensitive removable adhesive (not repositionable).
- Immediate adhesion.
- May be removed by peeling off the surface. Remove adhesive residues if necessary.
- In order to increase the adhesion at the edges it may be advisable to apply 1cm wide clear adhesive tape (type PG800 or PG836) overlapping both the film and the substrate.
- Lamination with a super-transparent cold laminating film (Hexis PG800 or PG836) using a laminator is recommended. DO NOT USE hotmelt films.
- Before application ensure that the print is completely dry in order to avoid elongations.
- It is advisable to use HEX901 application tape to ease application at temperatures over 25°C (77°F).
- If applied on window glass leave 5mm (0.2in) between the sealing and the edge of the MICRO4.
- Avoid overlapping applications (si possible).
- This micro-perforated film must not be used on emergency exits.

## **SHELF LIFE:**

- 1 year at +15°C...+25°C (+50°F...+77°F) and 50% relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

## **DURABILITY:**

- Vertical outdoor exposure: 1 year on glass, 3 months depending on substrate without adhesive residue on the substrate.

### **Note:**

If in doubt about the compatibility of the product with any particular application we recommend that the user carry out a trial before the final application or seek advice from the manufacturer. 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 data are believed to be correct but do 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 buyer has to determine the suitability of the materials for the intended purpose prior to purchase. HEXIS S.A. or its affiliates assume 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.hexisgroup.com](http://www.hexisgroup.com).