



DATA SHEET DIGITAL PRINTING MICRO-PERFORATED VINYL

MICRO4v2

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):	320	
• Total specific weight (g/m ²):	285	HEXGSM001
• Specific weight adhesive perforated film (g/m ²):	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:

- Silicone coated paper liner 175g/m² grey HEXIS print.

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): | 0,2 | HEXFTM003 |
- The adhesive is resistant to most chemical agents (alcohol, diluted acids, oils).

RECOMMENDATIONS:

- Do not heat above 35°C (95°F) during the printing process.
- Touch dry after less than 15 minutes depending on printer.
- Optimum drying time before laminating or varnishing is 24 hours.

- Lamination with a super-transparent cold laminating film (Hexis PG836) using a laminator is recommended. **DO NOT USE** hotmelt films.

- Apply on dry and clean glass.
 To clean the glass surface use “EasyPose”, rinse and dry thoroughly.
 Degrease target surface with ND45 in particular near the edges (avoid contact with seals).
 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).

- Black acrylic pressure sensitive removable adhesive (not repositionable).
- For use with solvent based inks.
- Immediate adhesion.
- May be removed by peeling off the surface. Remove adhesive residues if necessary.

- 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 MICRO4v2.
- Avoid overlapping applications (if possible).
- In order to increase the adhesion at the edges it may be advisable to apply 1cm wide clear adhesive tape (type PG836) overlapping both the film and the substrate.
- This micro-perforated film must not be used on emergency exits.
- Not suitable for submersed applications.
- In the case of painted substrates self-adhesive media must only be applied onto the undamaged original paintwork. If the paint is not the original paintwork and/or if it is damaged, the application and the removal are at the installer's risk.

SHELF LIFE:

- 1 year at +15 °C to +25 °C (+50 °F to +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.

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.hexisgroup.com.