



DATA SHEET DIGITAL PRINTING MICRO-PERFORATED VINYL

MICRO2v2

Polymeric 165 micron colaminated black/white micro-perforated PVC film coated with a pressure sensitive acrylic adhesive, for solvent inkjet printing. The composition of the product permits the printing of a graphic on one side (white face) while maintaining viewability through the film from the other side (black back).

SPECIFICATIONS:

	<u>Average values</u>	<u>Standard</u>
	165µm	
• Thickness (µm):	165	
• Total calliper (µm):	370	
• Total specific weight (g/m ²):	330	HEXGSM001
• Specific weight adhesive perforated film (g/m ²):	160	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	< 0.4	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 | 6 | |
| 24 hours after application | 9 | |
| • Initial tack (N/25mm): | 2 | HEXFTM009 |
| • Release (N/25mm): | 0.4 | 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.
- The optimum drying time before laminating or varnishing is 24 hours.

- On flat substrates: Lamination with a super-transparent cold laminating film (PG836) using a laminator is recommended. DO NOT USE hotmelt films.
- For vehicle rear windows (slightly curved) we recommend use of our cast cold laminate PC50MICP2.

- 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 ammonia 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).

- Good dimensional stability.
- Good resistance against solvents.

- Acrylic pressure sensitive removable adhesive (not repositionable).
- Immediate adhesion, maximum adhesion after 24 hours.
- May be removed by peeling off the surface. Remove adhesive residues if necessary.

- Dry application. The MICRO2v2 can only be dry applied.
- 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 or use our edge sealant VR7077.
- If applied on window glass leave 5mm (0.2in) between the sealing and the edge of the MICRO2v2
- Avoid overlapping applications.
- This micro-perforated film must not be used on emergency exits.
- Not suitable for submerged applications.
- For further information on application methods of MICRO2v2, refer to the technical bulletin on the professionals pages of the web site www.hexisgroup.com
- 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:

- Unprinted : 4 years
- Printed and laminated : 3 years
- 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.hexisgroup.com.