



## DATA SHEET DIGITAL PRINTING VINYL PERMANENT ADHESIVE VCR3000WMI

Cadmium-free monomeric calandered 100-micron PVC film, coated with a permanent pressure sensitive acrylic adhesive, for adhesion on low energy surfaces. Intended for inkjet printing with solvent, eco-solvent, HP Latex, UV inks. Matt surface finish.

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

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	100	
• Total caliper (µm):	290	
• Total specific weight (g/m <sup>2</sup> ):	310	HEXGSM001
• Tensile strength (N/ 25mm):	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Dimensional stability (mm): after 168h at 70°C	< 1	HEXRET001

### **GENERAL PRINTER COMPATIBILITIES:**

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>HP-Latex</b>	<b>UV</b>
<b>VCR3000WMI</b>	✓	✓	✓	✓

### **LINER:**

- Siliconed PE paper 145 g/m<sup>2</sup> with light blue HEXIS imprint.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

(Average values measured at the time of editing the technical data sheet)

	<u>Average values</u>	<u>Standard</u>
<b>On glass</b>		
• Peel on glass at 180° (N/25mm): 20 minutes after application	18	HEXFTM001
24 hours after application	22	
• Initial tack (N/25mm):	23	HEXFTM009
<b>On Polypropylene</b>		
• Peel on glass at 180° (N/25mm): 20 minutes after application	9	HEXFTM001
24 hours after application	11	
• Initial tack (N/25mm):	8	HEXFTM009
• Release (N/25mm):	0.25	HEXFTM003

- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

**ADHESIVE:**

- Solvent-based acrylic adhesive.
- Special low energy surface adhesive (polypropylene, polyethylene...).
- Immediate and permanent adhesion.

**USAGE GUIDE:**

- Touch dry after less than 10 minutes depending on printer used.
- Recommended minimum application temperature +10°C (+50°F), acceptable down to -1°C (30.2°F).
- Exposure temperature range (outdoor): -40°C to +90°C (-40°F to +194°F).
- 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 assessment / risk.

**RECOMMENDATIONS FOR USE:**

- Optimum drying time of the inks before laminating or further processing is 24 hours minimum.
- The surface aspect can be advantageously modified/improved/protected by a judicious choice of the matt, satin or gloss V700 laminate.

**STORAGE:**

- Shelf life (before application):  
1 year if stored at a temperature between +15°C and +25°C (+59°F to +77°F) and 50% relative humidity in the original packing in a vertical position in a dustfree environment.

**DURABILITY:** (Central Europe on flat surfaces)

- Unprinted vertical outdoor exposure: 4 years.
- Printed and laminated vertical outdoor exposure: 3 years.
- Printed vertical outdoor exposure: 2 years.

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