



DATA SHEET DIGITAL PRINTING VINYL PERMANENT ADHESIVE VCRI00WGI

Cadmium-free cast polymeric 50-micron PVC film, coated with a permanent pressure sensitive acrylic adhesive, for adhesion on low energy surfaces. Intended for solvent, eco-solvent, HP Latex inkjet printing. Gloss surface finish.

CHARACTERISTICS OF THE FILM:

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	50	
• Total caliper (µm):	230	
• Total specific weight (g/m ²):	245	HEXGSM00I
• Tensile strength (N/ 25mm):	min. 20	HEXNFX4I02I
• Elongation at break (%):	min. 90	HEXNFX4I02I
• Dimensional stability (mm): after 168h at 70°C	< 0.6	HEXRET00I

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	HP-Latex
VCRI00WGI	✓	✓	✓

LINER:

- Siliconed PE paper 145g/m² with light grey HEXIS print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

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

On glass

- | | | |
|-----------------------------------|----|-----------|
| • Peel on glass at 180° (N/25mm): | | HEXFTM00I |
| 20 minutes after application | 23 | |
| 24 hours after application | 25 | |
| • Initial tack (N/25mm): | 27 | HEXFTM009 |

On polypropylene

- | | | |
|---|-----|-----------|
| • Peel on polypropylene at 180° (N/25mm): | | HEXFTM00I |
| 20 minutes after application | 9 | |
| 24 hours after application | 11 | |
| • Initial tack (N/25mm): | 9 | HEXFTM009 |
| • Release (N/25mm): | 0.8 | 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...)

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) on flat surfaces and min. 15°C (59°F) on rivets.
- Exposure temperature range (outdoor): -40°C to +90°C (-40°F to +194°F)
- Immediate and permanent adhesion, optimum after 24 hours of contact
- Conformable product, particularly suitable for vehicles
- Very good adhesion on glass, steel, aluminium, PVC, melamine... except very grained substrates or acrylic paints (contact us).
- 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.

RECOMMENDATIONS FOR USE:

- Optimum drying time of the inks before laminating or further processing is 48 hours minimum.
- The surface aspect of prints can be advantageously modified/improved/protected by a laminate of the type PC30G2 (gloss finish), PC30M2 (super matt finish), PC30M3 (matt finish) or V750 on substrates with low deformations.

STORAGE:

- Shelf life (before application):
1 year if stored unopened in the original packing at temperature between +15°C and +25°C (+59°F to +77°F) and 30 to 70% relative humidity.

DURABILITY:

- Unprinted vertical outdoor exposure: 10 years
- Printed and laminated vertical outdoor exposure:
 - V750: 3 years
 - PC30G2/M2: 5 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.