



## TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE VCSRI0IWGI

Film composed of a 50- $\mu$ m cast PVC, which is coated with a pressure-sensitive, super-reinforced acrylic adhesive. Due to its super-reinforced adhesive, this product is particularly recommended for application to irregular surfaces, such as bricks, concrete, chipboard, etc. or low energy surfaces (polyethylene, polypropylene, etc.). For solvent, eco-solvent, latex and UV inkjet printing. Glossy surface finish.

### **FILM FEATURES:**

	<u>Indicative values</u>	
• Thickness ( $\mu$ m):	50	
• Total thickness of the product ( $\mu$ m):	250	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product ( $\text{g}/\text{m}^2$ ):	265	HEXGSM001
• Tensile strength (N/25 mm):	min. 20	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

### **GENERAL PRINTER COMPATIBILITIES:**

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>VCSRI0IWGI</b>	✓	✓	✓	✓

### **LINER:**

- Silicone-coated PE paper 145  $\text{g}/\text{m}^2$  with light grey HEXIS print.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

(Measured average values at publication of the technical data sheet)

	<u>Average values</u>	<u>Standard</u>
<b>On glass</b>		
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 20 minutes of application	21	
after 24 hours of application	23	
• Initial tack (N/25 mm):	27	HEXFTM009
<b>On polypropylene</b>		
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 20 minutes of application	12	
after 24 hours of application	16	
• Initial tack (N/25 mm):	12	HEXFTM009
• Release (N/25 mm):	0.8	HEXFTM003

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

**ADHESIVE:**

- This adhesive is particularly recommended for application to irregular (bricks, concrete, chipboard), non-chalky and non-sandy surfaces.
- Special low energy surface adhesive (polypropylene, polyethylene, etc.).
- Solvent-based, acrylic adhesive.
- Immediate and permanent adhesion.

**USER'S INSTRUCTIONS:**

*Due to the wide variety of existing substrates, the application of vinyl to an unsuitable and/or not adequately prepared surface or laminate may result in media lifting from the substrate or damage to the already existing substrate or coating when the film is withdrawn. The application and removal of the vinyl are at the judgement and risk of the installer. HEXIS will not, under any circumstances, be liable for any damages or deteriorations caused by the installation or removal of a vinyl film.*

- Touch-dry after less than 10 minutes depending on printer used.
- Recommended minimum application temperature: +10 °C (+50 °F), down to -1 °C (+30 °F) being acceptable for flat surfaces and +15 °C (+59 °F) for rivets and irregular surfaces.
- Operating temperature range (outdoors): -40 °C to +90 °C (-40 °F to +194 °F).
- Maximum operating temperature range (outdoors, on irregular surfaces): +60 °C (+140 °F).
- For an application to irregular surfaces (brick, concrete, chipboard, etc.) a particular installation method is required. For more information please, refer to its Application Guide on the "Professionals" pages, category "Digital printing media" on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).
- In the case of an already painted substrate, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

**OPERATING RECOMMENDATIONS:**

- For all coatings, optimal drying time for the inks is 48 hours minimum.
- The surface finish of your printing may be modified/improved/protected by one of the laminating films PC500, PC190 or PC30 for low deformation substrates.

**STORAGE:**

- Shelf life (before use):

The shelf life of this film is 1 year when stored unopened in its original packaging at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

**DURABILITY:** (Central European climate)

- Vertical outdoor exposure:  
Unprinted: 10 years.  
Printed and laminated:
  - PC500: 5 years;
  - PCI90 and PC30: 4 years.Printed: 2 years.
- Vertical outdoor exposure on irregular surfaces (brick, concrete, chipboard, etc.): Printed and laminated with PC500, PCI90 or PC30: 1 year upon exposure and climate conditions.
- Indoor exposure on irregular surfaces (brick, concrete, chipboard, etc.): 5 years.

*To find the indicative durabilities of the films for any other exposure and geographical area, please refer to the "Conversion rules for indicative durabilities according to geographical area" chart available under Durability, on the "Professionals" pages on our site [www.hexis-graphics.com](http://www.hexis-graphics.com).*

**NOTES:**

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application. The measuring methods for the standards quoted above served as the basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in use.

All the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).