



## TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - REMOVABLE ADHESIVE V310IWG – V310IWM

Film composed of 100- $\mu$ m calendered, monomeric PVC, which is coated with a removable, pressure-sensitive acrylic adhesive. Usable for solvent, eco-solvent, latex and UV inkjet printing. Gloss (V310IWG) or matt (V310IWM) surface finish.

### **FILM FEATURES:**

	<u>Indicative values</u>	
• Thickness ( $\mu$ m):	100	
• Total thickness of the product ( $\mu$ m):	270	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product ( $g/m^2$ ):	300	HEXGSM001
• Tensile Strength (N/25 mm):	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

### **GENERAL PRINTER COMPATIBILITES:**

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>V310IWG – V310IWM</b>	✓	✓	✓	✓

### **LINER:**

- Silicone-coated Kraft paper 137  $g/m^2$ , with light blue 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>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	5	
after 24 hours of application	7	
• Initial tack (N/25 mm):	6	HEXFTM009
• Release (N/25 mm):	0.1	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

**ADHESIVE:**

- Solvent-based acrylic adhesive.
- Immediate adhesion; removable adhesive.

**USER'S INSTRUCTIONS:**

- Touch-dry after less than 10 minutes depending on printer used.
- Do not leave the media on the printer while stopped.

*Extended contact (over 6 hours) without use may cause the media to buckle while cooling.*

- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range (outdoors): -20 °C to +60 °C (-4 °F to +140 °F).
- Very good adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.

*When applied to laminated monomeric or polymeric PVC films, the removable adhesives can become semi-permanent. The duration of application and the type of exposure may accelerate this phenomenon.*

- In the case of painted substrates, 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:**

- Optimal drying time for the inks before laminating or further processing is 24 hours minimum.
- The surface finish of your printings may be modified/improved/protected by applying the appropriate laminate: V700 or V650. For UV printings, use the protective VCR650 laminate.

**STORAGE:**

- Shelf life (before application):  
The shelf life of this film is 1 year when stored in its unopened 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 on flat surfaces:  
Unprinted: 6 months depending on the substrate without significant traces of adhesive.  
Printed: 3 months without significant traces of adhesive.  
Printed and laminated: 12 months (if the print edges are sealed by a sealing varnish).

**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 of the published information is based on measurements regularly performed in the laboratory. The published information 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).