



## TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC (PERMANENT ADHESIVE)

### V20IWGI – V20IWMI

Film composed of a 70-  $\mu\text{m}$ , polymeric calendered, cadmium-free PVC, which is coated with a pressure-sensitive, acrylic adhesive. Suitable for standard solvent, eco-solvent, latex and UV inkjet printing. Gloss (V20IWGI) or matt surface finish (V20IWMI).

#### FILM FEATURES:

	<u>Average values</u>	<u>Standard</u>
• Thickness ( $\mu\text{m}$ ):	70	
• Total thickness ( $\mu\text{m}$ ):	240	
• Total weight ( $\text{g}/\text{m}^2$ ):	265	HEXGSM001
• Tensile strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage (mm) after 168 hours at 70 °C (158 °F):	< 0.4	HEXRET001

#### GENERAL PRINTER COMPATIBILITIES:

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>V20IWGI</b> <b>V20IWMI</b>	✓	✓	✓	✓

#### LINER:

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

#### ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• 180° peel strength test on glass (N/25 mm): after 20 minutes of application	15	HEXFTM001
after 24 hours of application	19	
• Initial tack (N/25mm):	19	HEXFTM009
• Release (N/25mm):	0.3	HEXFTM003
• Solvent resistance: the adhesive is resistant to most chemical agents (alcohol, diluted acids and oils).		

**ADHESIVE:**

- Solvent-based, acrylic adhesive
- Immediate and permanent adhesive strength.

**USER'S INSTRUCTIONS:**

- Touch-dry at the latest 10 minutes following application depending on the printer used.
- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range (outdoors): from -40 °C to +90 °C (from +50 °F to +59 °F)
- Very good adhesion to glass, steel, aluminium, PVC, melamine... except grained substrates or substrates covered by acrylic paints.
- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paintwork is not the original and/or is damaged, the application and the removal are at the installer's own judgement and own risk.

**RECOMMENDATIONS:**

- For any laminating and further processing, the optimum drying time of the inks is 24 hours minimum.
- The aspect of your prints can be modified/improved/protected by applying the V750 or PC500 laminate. UV inkjet prints must be protected with the VCR750 laminate.

**STORAGE:**

- Shelf life (before application):

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

**DURABILITY:** (Central Europe climate)

- Vertical outdoor exposure:  
unprinted: 8 years  
printed and laminated:  
- PC500: 5 years  
- V750: 4 years  
- VCR750: 3 years  
printed: 2 years

**NOTES:**

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as 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 information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at [www.hexis-graphics.com](http://www.hexis-graphics.com). <http://www.hexis-graphics.com>