



TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE V20IWGI – V20IWMI

Film composed of a 70- μm , calendered, polymeric PVC, which is coated with a pressure-sensitive acrylic adhesive. For solvent, eco-solvent, latex and UV inkjet printing. Glossy (V20IWGI) or matt (V20IWMI) surface finish.

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness (μm):	70	
• Total thickness of the product (μm):	240	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product (g/m^2):	265	HEXGSM001
• Tensile strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex	UV
V20IWGI V20IWMI	✓	✓	✓	✓

LINER:

- Silicone-coated PE paper 145 g/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>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	17	
after 24 hours of application	20	
• Initial tack (N/25 mm):	25	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

ADHESIVE:

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion.

USER'S INSTRUCTIONS:

- Touch-dry after less than 10 minutes depending on printer used.
- Minimum recommended application temperature: +10 °C (+50 °F).
- Operating temperature range (outdoors): -40 °C to +90 °C (-40 °F to +194 °F).
- Very good adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- 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:

- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls, HEXIS recommend using only a single batch number of each reference.
- For any lamination or other, optimal drying time for the inks is 24 hours minimum.
- The surface finish of your printings may be modified/improved/protected by laminating them with the appropriate laminate, V750 or PC500. For UV printings, use the protective VCR750 laminate.

STORAGE:

- Shelf life (before application):

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: 8 years.
Printed and laminated:
 - PC500: 5 years;
 - V750: 4 years;
 - VCR750: 3 years.
 Printed: 2 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.

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.