



TECHNICAL DATA SHEET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE VCR740B – VCR740M

Film composed of 70- μ m, calendered, transparent and anti-UV treated, hybrid PVC, which is coated with a pressure-sensitive acrylic adhesive. Product developed for cold-laminating HEXIS digital printing films. Particularly suitable for laminating UV inkjet prints. Glossy (VCR740B) or matt (VCR740M) surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
• Thickness (μ m):	70	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 1.1	HEXRET001

LINER:

- Silicone-coated paper 87 g/m² with 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	19	
• Initial tack (N/25 mm):	20	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:

- Application to flat surfaces only.
- Particularly suitable for cold laminating UV inkjet prints.

Although the ink is solid immediately after printing, the polymerisation and reticulation time of the inks is 24 hours (variable depending upon the printer used and the quantity of ink applied). Please comply with this minimum waiting time before laminating the UV inkjet-printed film.

- Good stability in combination with the HEXIS digital printing films of the 240 series.
- UV protection.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- To clean the film, only use a non-abrasive sponge or soft cloth with soapy water.
- 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:

- 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.

STORAGE:

- Shelf life (before application):

The shelf life of this film is 2 years when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C and +25 °C (+59 °F to +77 °F) with a relative humidity of 50 %.

DURABILITY: (Central European climate)

- Vertical outdoor exposure on flat surfaces:
Up to 2.5* years only for the laminate but not for the printed film.

The durability of the laminated print depends on the printing technology used and the inks used. Consult the ink manufacturer.

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 the 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 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.