



TECHNICAL DATA SHEET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE V850

Film composed of a transparent, 50- μm , calendered, polymeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Intended for the cold lamination of the THE200EVO digital printing film. This laminate, which is less thick than the V750 laminates, provides the compound with a better conformability and higher ease of application. Glossy surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
• Thickness (μm):	50	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	min. 20	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.5	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	14	
after 24 hours of application	17	
• Initial tack (N/25 mm):	19	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:

- Protection of the HEXIS digital printing film THE200EVO, which has been printed with solvent and latex inks. This laminate can also be used for the protection of the 200-series digital printing films.
- This compound is intended for application to flat surfaces only.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- For film cleaning, only use a non-abrasive sponge or soft cloth and soapy water.
- UV protection.
- 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:

- Prior to any lamination, coating or other of a printed THE200EVO film, you have to wait for 24 hours after printing in order to ensure optimal drying time for the inks.

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 relative humidity of 50 %.

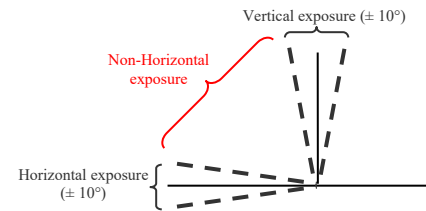
DURABILITY: (Central European climate)

- Vertical outdoor exposure on flat surfaces:
Without mechanical stress: up to 5* years.
With mechanical stress: depends on the type and frequency of the stresses.

*Time during which the film retains a correct surface finish, from a conventional viewing distance. (A slight and gradual change in colour and gloss is natural and is an inevitable and natural phenomenon inherent in the natural breakdown of the materials).

Note: The durability indicated in this document:

- concerns only the laminate and not the finished visual or graphic.
- is inherent to an upright position of $\pm 10^\circ$ and to the product's geographical exposure position. All other positions accentuate the climatic shocks and promote the appearance of an alteration of the gloss or even a slight dusting. Southern exposure, with a 45° inclination can divide the durability of the film by 2, and horizontal exposure by 2.8. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heat from the engine.
- is confirmed by UV ageing tests and vertical natural outdoor weathering.



- Vertical indoor exposure:
up to 7 years (for surfaces or areas not subject to frequent handling or high visitor frequency).

* The durability indicated above concerns only the laminate and not the finished visual or graphic.

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.