TECHNICAL DATA SHET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE

VCR650M

Film composed of a 80-µm calendered, monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Matt surface finish for cold lamination, mainly for use as a mechanical protection. Particularly suitable for laminating UV inkjet printing.

FILM FEATURES:

	Indicative value	
• Thickness (µm):	80	
	Average values	Standard
• Tensile strength (N/25 mm):	min. 30	HEXNFX41021
• Elongation at break (%):	min. 80	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 1.2	HEXRET001

LINER:

- Silicone-coated paper 80 g/m², with grey HEXIS print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

	Average values	Standard
• 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):	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:

- Recommended application temperature: +10 °C to +35 °C (50 °F to 95 °F).
- Operating temperature range: -30 °C to +60 °C (-22 °F to 140 °F).
- 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 upon the printer used and the quantity of ink applied). Please comply with this minimum waiting time before laminating the UV inkjet printed film.

- Resistance against mechanical stress.
- Using this protective film also enables you to modify the substrate's appearance by providing it with a matt surface finish.
- Laminating the V880 or V890 film with the VCR650M laminate is strictly prohibited.
- Depending on the type of surface to be protected: when applied to paintworks or "non dry" inkjet prints, the VCR650M laminate may show signs of shrinkage. To avoid such alterations or for medium term applications, we strongly recommend the use of our VCR750 laminate.
- In the case of 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.

STOCKAGE

- Shelf life (before application):

  The shelf life of this film is 1 year when stored upright in its original packaging in a dust-free environment at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

DURABILITY: (Central European climate)

- Up to 1.5 years only for the laminate but not for the graphics.

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

NOTES:
Due to 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 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.