TECHNICAL DATA SHEET - PLOTTER VINYLS

HXE3GIVM2

Film composed of an 80-µm calendered, monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Structured adhesive for faster application and air evacuation. Frosted surface finish.

FILM FEATURES:

	Indicative value	
• Thickness (µm):	80	
	Average values	Standard
• Tensile strength (N/25 mm):	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.8	HEXRET001

LINER:

- Silicone-coated and embossed PE paper 145 g/m², with light blue 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	15	
after 24 hours of application	17	
• Initial tack (N/25 mm):	16	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003

- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).

ADHESIVE:

- Solvent-based, acrylic adhesive.
- Immediate and permanent adhesion, optimal after 24 hours of contact.
- Structured adhesive for faster application and air evacuation.

USER'S INSTRUCTIONS:

- Apply to an untreated surface, free from all traces of contaminants (dust, grease, wax, silicone etc.) and cleaned with a soapy liquid without anti-adherent additives.

Particular care must be taken to clean the angles and periphery of the glass surfaces in order to allow the film to adhere properly to the surface.

- Dry application.

It is mandatory to use the so-called "dry" application method due to its HEX'PRESS liner. This technology means you can easily reposition the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.

- Hygrometry influences the quality of the application.

On a cold window condensation may occur between the window and the adhesive film; it is therefore advisable to heat the substrate.

- Recommended minimum application temperature: +10 °C (+50 °F).

Both the ambient and the substrate temperature must comply with the minimum temperature.

- Operating temperature range: from -40 °C to +90 °C (-40 °F to +194 °F).
- The film or paper transfer tape allows you to press the squeegee firmly over the entire surface of the graphic to be transferred.
- 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:

- For a window glass application, due to a variety of light exposures and conditions, especially when applied with a backlight, it is recommended to perform a preliminary test before each type of application.
- For more information on the application method of the films HXE3GIVM2, please refer to the Application Guide available on the "Professionals" pages, category "Plotter Vinyls" on our site www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):

  The shelf life of this film is 2 years 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 exposure on flat surfaces: 3 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.