



KG15DEPM

PRODUCT DESCRIPTION:

Film composed of an 80-µm, very high-performance, cast PVC, which is coated with a pressure-sensitive acrylic adhesive. Matt etched glass surface finish.

FILM FEATURES:

• Thickness	(Indicative value) 80 µm	
• Tensile strength	(Average values) min. 35 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 100 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.4 mm	Method HEXRET001

LINER:

- Silicone-coated Kraft paper 137 g/m² with grey «THE CAST by HEXIS» print.
- Stable under hygrometric variations

ADHESIVE PROPERTIES:

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

- Peel strength test at 180°; Measurement support glass

	(Average values)	Method
after 20 minutes of application	18 N/25 mm	HEXFTM001
	(Average values)	Method
after 24 hours of application	21 N/25 mm	HEXFTM001
	(Average values)	Method
• Initial tack	19 N/25 mm	HEXFTM009
	(Average values)	Method
• Release	0.2 N/25 mm	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; suitable for wet application.

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)

Both the ambient and the substrate temperature must comply with the minimum temperature. In a cold environment, the transfer tape should be left on longer before its removal as several days are necessary to complete the final adhesion of the film.

- Apply to an untreated surface that is clean and free from all traces of contaminants (dust, grease, wax, silicone, etc.). Particular care must be taken to clean the angles and periphery of the glass surfaces in order to enable the film to adhere properly to the surface.

Clean with soapy water only.

- To facilitate application, HEXIS have several types of squeegees in its range of accessories, ranging from softer to harder (plastic or felt).
- 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.
- Heat cold surfaces before application to avoid condensation between the substrate and the self-adhesive film.
- 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 of the same colour reference, HEXIS recommend using only a single batch number of each reference.

For more information on the application method of the KG15DEPM film, please refer to its Application Guide available under the «Professionals» heading, in the «Plotter vinyls» category on our website www.hexis-graphics.com.

STORAGE:



Storage period before use
2 years



Relative humidity during storage
with relative humidity between 30 % and 70 %



Storage temperature
+15 °C to +25 °C (+59 °F to +77 °F)



Storage method before use
in its unopened original packaging

DURABILITY:

- The pigmentation (colour) of the PVC affects the stability duration of the dyes. These stabilities are confirmed by UV ageing tests performed on the KG15DEPM film and by natural weathering; the durations given are the periods during which the surface finish is expected to be free from any gradual reduction or modification.
- Southern exposure with a 45° inclination may divide the durability of the film by 2, compared to the values indicated in the tables below.

Colours	Central European climat	Mediterranean climate	Tropical Oceanic climate	Desert climate
KG15DEPM	7 years	6 years	5 years	4 years

- These results were obtained from a vertical outdoor exposure and the indicated conditions of durability are inherent to this position up to a few degrees. Other positions accentuate climatic influences and an alteration in gloss or colour, or even a slight dusting may appear (outdoors).

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 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.