

KG8000

PRODUCT DESCRIPTION:

Film composed of a 50-µm, very high-performance, cast vinyl, which is coated with a pressure-sensitive, solvent-based, acrylic adhesive.

FILM FEATURES:

• Thickness	(Indicative value) 50 µm (2 mil)	
• Tensile strength	(Average values) min. 15 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 90 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.3 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	14 N/25 mm	HEXFTM001
after 24 hours of application	(Average values) 17 N/25 mm	Method HEXFTM001
• Initial tack	(Average values) 16 N/25 mm	Method HEXFTM009
• Release	(Average values) 0.3 N/25 mm	Method HEXFTM003
- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).

ADHESIVE:

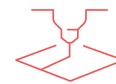
- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion, suitable for wet application to flat surfaces only.

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +7 °C (+45 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- Suitable for devices on wheels and vehicles only.
- For a uniform visual aspect, it is necessary to keep the same film application direction in order to ensure colour homogeneity according to the viewing angle.
- 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:

- 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 KG8000 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



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



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



Storage method before use
in its unopened original packaging

DURABILITY:

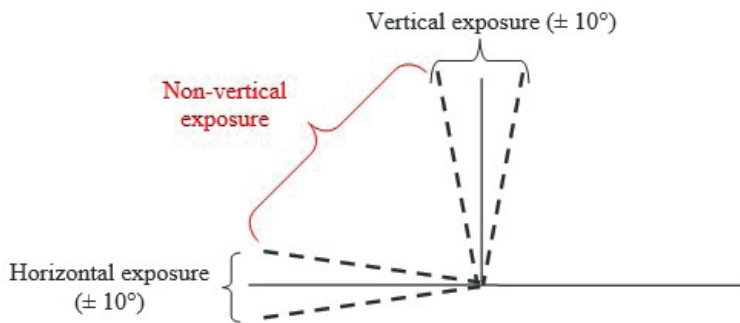
Dominant colour	Max. indicative durability (years) ⁽¹⁾ Vertical exposure ($\pm 10^\circ$) Central European climate
<i>Glossy white, black</i>	10
<i>Colours, other tints</i>	Up to 8 years according to the colours.
<i>Metallic colours</i>	Up to 8 years according to the colours.
<i>Mandarin red (KG8165), Onyx beige (KG8870), Gold (KG8871)</i>	Up to 2 years according to the colours.

Chart 1: Vertical durabilities⁽¹⁾ Central Europe

- The pigmentation (colour) of the PVC affects the stability duration of the dyes. An estimate of such a durability is confirmed by accelerated UV ageing tests performed on the KG8000 films and by natural outdoor weathering.
- The conditions of durability indicated in Chart 1 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. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heat from the engine.
- To estimate the durabilities for non-vertical exposure, divide the durabilities in Chart 1 by the factors given in Chart 2.

Exposure	Dividing factor ⁽¹⁾ Central European climate
Non-vertical exposure	2
Horizontal exposure ($\pm 10^\circ$)	2,8

Chart 2: Dividing factor



- The real durability of a product depends on a large number of parameters, including, among others, the quality and preparation of the substrate, exposure (environment, climate, exposure angle), graphics maintenance, and degree of pollution.

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:

(1) The indications of durability noted in this document do not constitute a binding guarantee. They are an estimate of the 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 a natural and inevitable phenomenon inherent in the natural breakdown of the materials.

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 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.