



TECHNICAL DATA SHEET - PROTECTIVE FILM **HEXFLAREXX**

Range comprising of 80- μ m, transparent, calendered, polymeric PVC, which is coated with a pressure-sensitive, acrylic adhesive. This film has been specially designed for headlight and taillight tinting of vehicles. It has a glossy surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
• Thickness (μ m):	80	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	min. 25	HEXNFX4102I
• Elongation at break (%):	min. 105	HEXNFX4102I
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.6	HEXRET00I

LINER:

- Silicone-coated PET liner 75 μ m.
- 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):		HEXFTM00I
after 20 minutes of application	23	
after 24 hours of application	25	
• Initial tack (N/25 mm):	24	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; 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).
- Apply to a surface that is clean and free from any traces of contaminants (dust, grease, wax, silicone, etc.).

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

- Only apply to an undamaged substrate.

If the substrate is damaged, the application and the removal are at the judgement and risk of the installer.

Caution: The HEXFLAREXX films are intended to be applied to exhibition vehicles or vehicles used on off-road terrains not suitable for public traffic (e.g. private lanes, circuits, etc.).

It is recommended to enquire about the current legislation in the country of use prior to any appearance modification of the vehicle's lighting and warning devices for applications other than those stated above. HEXIS cannot be held liable for any non-compliance with the current legislation of the country of use.

Due to its coiling tension, PET liner, and very high transparency, slight traces of mottling may be visible on the film before application. If any traces remain after application, they can be reduced by slightly heating the film with a heat gun.

OPERATING RECOMMENDATIONS:

- To facilitate application, HEXIS have several types of squeegees in their range of accessories, ranging from softer to harder (plastic or felt).

STORAGE:

- Shelf life (before application):

The shelf life of this film is 2 years when stored in its unopened 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: up to 5 years dependent upon colours (under normal road use conditions).
- Lifespan depends on the type and preparation of substrate, exposure conditions as well as nature and frequency of the cleaning.

For instance, it is estimated that a south-facing exposure (in the northern hemisphere) will divide the durability by two. The same applies to a horizontal exposure. In addition, elevated temperatures (above +50 °C) (+122 °F) or pollution significantly reduce this durability.

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.