



## TECHNICAL DATA SHEET - WRAPPING HX30CAONEB

Film composed of a 100- $\mu$ m, very high-performance, multi-layered, cast vinyl, which is coated with a pressure-sensitive, solvent-based, acrylic adhesive. Structured adhesive for faster application and air evacuation. Specially designed for full vehicle wraps and heavily deformed surfaces. Glossy film with "smooth carbon fibre" surface finish.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu$ m):	100	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

### **LINER:**

- Embossed, silicone-coated PE paper 145 g/m<sup>2</sup> with grey "THE CAST by HEXIS" print.
- 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):		HEXFTM001
after 20 minutes of application	11	
after 24 hours of application	12	
• Initial tack (N/25 mm):	11	HEXFTM009
• Release (N/25 mm):	0.1	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).		

**ADHESIVE:**

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

**USER'S INSTRUCTIONS:**

- Minimum recommended application temperature: +15 °C (+59 °F). Apply preferably between +20 °C and +25 °C (+68 °F and +77 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- Conformable product, suitable for devices on wheels and vehicles only.
- 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:**

- Recommendation (whenever possible): Sunlight and prolonged exposure to weathering and pollution may provoke ageing of the film<sup>(1)</sup>. A vehicle wrapped with HX30CAONEB film must be protected from sun and bad weather (rain, dew...) as often as possible: during the day, park in the shade; at night, park the car in a closed garage (otherwise, cover the vehicle with a loose protective cover).
- 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 HX30000 film, please refer to the Application Guide on the "Professionals" pages, category "Wrap vinyls", on our site [www.hexis-graphics.com](http://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 %.

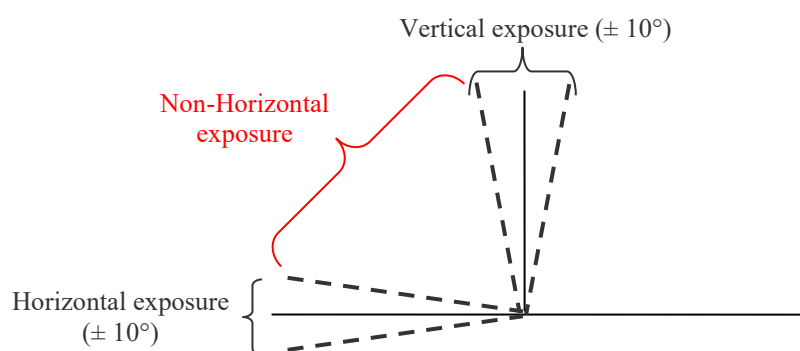
**INDICATIVE DURABILITIES:** (Central European climate)

- Vertical outdoor exposure:  
Without mechanical stress: up to 5 years.  
With mechanical stress: depends on the type and frequency of the stresses.
- The durabilities indicated below are obtained specifically in vertical ( $\pm 10^\circ$ ) outdoor exposure. 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.

- 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 and by natural outdoor weathering.
- To estimate the durabilities for non-vertical exposure, divide the durabilities by the factors given in the table below.

Exposure	Dividing factor <sup>(2)</sup> Central European climate
Non-vertical exposure	2
Horizontal exposure ( $\pm 10^\circ$ )	2.8

Chart: 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, the exposure (environment, climate, exposure angle), the film maintenance, and the degree of pollution.

To find the indicative durabilities of the films for the country of exposure, please refer to the "Conversion rules for indicative durabilities according to geographical area" chart available under Durability in the "Professionals" pages of our site [www.hexis-graphics.com](http://www.hexis-graphics.com).

#### NOTES:

(1) If an important degradation of the film (due to prolonged exposure to sunlight, weathering, polluting agents) appears (discolouration, powdering, tanning...), it must be immediately removed from the vehicle in order to avoid any damage to the underlying paintwork.

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](http://www.hexis-graphics.com).