



## TECHNICAL DATA SHEET - DECORATIVE FILM - CARBON FIBRE EFFECT HXS5CANB

Film composed of 140- $\mu$ m, calendered, polymeric PVC and coated with a pressure-sensitive acrylic adhesive. Structured adhesive for faster application and air evacuation. Decorative film with "carbon fibre" effect, for use on flat surfaces.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu$ m):	140	
	<u>Average values</u>	<u>Standard</u>
• Tensile Strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 50	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.5	HEXRET001

### **LINER:**

- Silicone-coated and embossed PE paper 145 g/m<sup>2</sup>, with light grey 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	14	
after 24 hours of application	16	
• Initial tack (N/25 mm):	17	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:**

- Film with "carbon fibre" surface finish, for the decoration of flat surfaces.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- Dry application method.

*It is mandatory to use the nominal "dry" application method due to its HEX'PRESS liner. This technology allows easy repositioning of the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.*

- 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.
- The HXS5CANB carbon effect film is a fragile product, which is sensitive to scratching and pressure marks. To be handled with care.
- Possibility of transferring the HXS5CANB film using the tapes HEX910, HEX915 or HEX930.
- Adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- In the case of painted substrates, 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.

## **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 on flat surface:
  - Outdoors: **5 years**
  - Indoors: **10 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 the geographical area" chart available under Durability, on the "Professionals" pages on our site [www.hexis-graphics.com](http://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](http://www.hexis-graphics.com).