



TECHNICAL DATA SHEET - PROTECTIVE FILM **CAR100B**

CAR100B is a 100- μ m, clear, polymeric PVC film, which is coated with a pressure-sensitive acrylic adhesive. Intended for the short-term protection of car bodies. It protects your car body against chipping and dents caused by stones, insects, car doors, etc. Glossy surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
• Thickness (μ m):	100	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

LINER:

- Silicone-coated PE paper 145 g/m² with light blue 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° (N/25 mm):		HEXFTM001
after 20 minutes of application:	20	
after 24 hours of application:	24	
• Initial tack (N/25 mm):	23	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003

ADHESIVE:

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion, optimal after 24 hours of contact.

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F). Apply preferably between +15 °C and +35 °C (+59 °F to +95 °F).
- Apply wet.
- Operating temperature range (outdoors): -40 °C to +90 °C (-13 °F to +158 °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.

- 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.

OPERATING RECOMMENDATIONS:

- Conformable product developed for protecting bodywork, underbody, bumpers, headlights and rear-view mirrors against chips caused by stones and insects.
- Protection against vandalism (key scratches).
- To facilitate application, HEXIS have several types of squeegees in their range of accessories, ranging from soft to hard (plastic or felt).
- For more information on the application method of the CAR100B film, please refer to its Application Guide on the "Professionals" pages, category "Solar and safety films" on our site www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):

The shelf life of this film is 1 year when stored in horizontal position in a dust-free environment at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

DURABILITY: (Central European climate)

- Lifespan depends on the type of substrate, its preparation, exposure conditions and 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 the geographical area" chart available under Durability, on the "Professionals" pages on our site www.hexis-graphics.com.

- Vertical exposure: The shelf life of this film is 1 year (under normal road use conditions).

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.