



## TECHNICAL DATA SHEET - PROTECTIVE FILM

### CARPRO300

Car-Protect300 is a transparent, adhesive-coated film specially developed for protecting car bodywork. Its excellent shock-absorbing properties protect your bodywork against chips caused by stones, insects, car doors, washing brushes, etc.

**This is an evolution of the 150-µm Carprotect film.** It has been successfully tested by the independent SERCOVAM laboratory in accordance with the standards set by Renault® (in its specifications for "adhesive films for the protection of bodywork") pursuant to the following report numbers:

	REPORT No.
• from blasting:	<b>RES 58929 A</b>
• from sun exposure:	<b>RES 58929 B</b>
• from friction:	<b>RES 58929 C</b>
• from fuel spills:	<b>RES 58929 D</b>
• from washing brushes:	<b>RES 58929 E</b>
• from high-pressure cleaners:	<b>RES 58929 F</b>

The results of these studies are available on request.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness (µm):	300	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	> 100	HEXNFX41021
• Elongation at break (%):	> 300	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET001

### **LINER:**

- Silicone-coated PE paper 145 g/m², with 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° (N/25 mm):		HEXFTM001
after 20 minutes of application:	18	
after 24 hours of application:	18	
• Initial tack (N/25 mm):	23	HEXFTM009
• Release (N/25 mm):	0.3	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).
- Operating temperature range: between -40 °C and +90 °C (-40 °F and +194 °F).
- Apply wet.
- 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 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.

*Due to the composition of the transparencies, application on light surfaces (white etc.) can create a colour difference between the unprotected surface and the protected surface.*

**OPERATING RECOMMENDATIONS:**

- Product developed for protecting painted bodywork, underbody, bumpers and rear-view mirror casings, against chips caused by stones, insects.
- Excellent protection against vandalism (key scratches).
- To facilitate application, HEXIS have several types of squeegees in their range of accessories, ranging from softer to harder (plastic or felt).
- For more information on the application method of CARPRO300, please refer to the Application Guide on the "Professionals" pages, category "Solar and Safety Films" on our site [www.hexis-graphics.com](http://www.hexis-graphics.com).

**STORAGE:**

- Shelf life (before application):

The shelf life of this film is 1 year when stored in horizontal position in its original packaging 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)

- Vertical exposure: 6-8 years.

*Lifespan depends on the type of substrate, substrate preparation, exposure conditions and nature and frequency of the cleaning. Southern exposure will reduce the durability of the films by 2, and horizontal exposure by 2.8. 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](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. In case of doubt, request an expert evaluation of the compatibility of the film and the glass in question.

All of 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).