CANDYFENCE Serie

PRODUCT DESCRIPTION:

This PPF range is composed of self-healing, coloured, flexible, polyurethane-based, multi-layered films, which are coated with a pressure-sensitive acrylic adhesive. These films are designed for the decoration and protection of vehicles. They protect the door sills, bodywork and painted plastic parts (bumpers, door mirror casings, etc.) from scratches, chips caused by stones, insect stains, contact with car doors and washing brushes. Glossy or satin surface finish.

FILM FEATURES:

• Total thickness (film + adhesive)	(Indicative value) **180 (7.1 mil) ±10 %**	
• Tensile strength	(Average values) **> 100 N/25 mm**	Method **HEXNFX41021**
• Elongation at break	(Average values) **> 150 %**	Method **HEXNFX41021**
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) **< 0.2 mm**	Method **HEXRET001**

LINER:

- Surface protection film : 50-µm PET film (upon product code).
- 140-µm, silicone-coated, embossed PET liner.

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

• Peel strength test at 180°		
after 20 minutes of application	(Average values) **⩾ 8 N/25 mm**	Method **HEXFTM001**
after 24 hours of application	(Average values) **⩾ 12 N/25 mm**	Method **HEXFTM001**
• Initial tack	(Average values) **⩾ 12 N/25 mm**	Method **HEXFTM009**
• Release	(Average values) **0.2 N/25 mm**	Method **HEXFTM003**

ADHESIVE:

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

USER'S INSTRUCTIONS:

- Dry or wet film application method.

The structure of the adhesive-coated side facilitates repositioning of the film on the substrate. Furthermore, the use of a squeegee enables the efficient removal of any remaining air bubbles or applications liquids.

- Minimum application temperature: +10 °C (+50 °F) Apply preferably between +15 °C and +35 °C (+59 °F and +95 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)

- The CANDYFENCE film range is intended for partial or full wrapping of vehicle car bodies and thereby offers effective protection.
- The surface protection film of certain CANDYFENCE products must be removed before it is processed in any way, particularly before cutting with the plotter or film application.
- Cut the film to the size of the part to be wrapped, allowing +10 cm (4 in.) of extra margin.

The remaining film must be stored on its original core (do not cut the rolls into several lengths or widths, do not repackage the product); the roll must be properly closed immediately after use (masking tape or roll-grippers) in order to preserve all its qualities.

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- Apply the film 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.
- In the case of superficial micro-scratches, the film is able to eliminate these scratch marks when the temperature ranges from 45 °C to 70 °C (from 113 °F to 158 °F) maximum. For this purpose, heat must be applied using a heat gun to activate the self-healing power of the film.

OPERATING RECOMMENDATIONS:

- For more information on the application method of the films of the CANDYFENCE range, please refer to the Application Guide on the «Professionals» pages, category «Solar and safety films» on our site www.hexis-graphics.com.

STORAGE:

Storage period before use
1 year

Storage area
in a dust-free environment

Storage temperature
+15 °C to +25 °C (+59 °F to +77 °F)

Storage method before use
in its original packaging

Relative humidity during storage
with relative humidity of 50 %

Orientation of rolls before use
vertically

DURABILITY: CENTRAL EUROPEAN CLIMATE

- Vertical exposure:
  up to 10 years (under normal road use conditions).

- Lifespan depends on the type of substrate, its preparation, exposure conditions as well as nature and frequency of the cleaning.

For instance, it is estimated that a south-facing exposure 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. 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. 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.