



BODYFENCE

PRODUCT DESCRIPTION:

BODYFENCE is a transparent adhesive-coated film, which is self-healing when it is heated and which is 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. Improved surface sliding. Glossy surface finish.

FILM FEATURES:

• Total thickness (film + adhesive)	(Indicative value) 180 µm (7.1 mil) ± 10 %	
• Tensile strength	(Average values) > 100 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) > 350 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.2 mm	Method HEXRET001

LINER:

- Silicone-coated 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) 21 N/25 mm	Method HEXFTM001
after 24 hours of application	(Average values) 22 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:

- Wet application method
- Recommended 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 BODYFENCE film is intended for vehicle body protection. It can also serve as a protection system for full wrap films (HX20000, non-structured HX30000 and HX30SCH00) that are used for smooth and basic full wraps without relief decoration.

The application of BODYFENCE to full wrap films is at the customer's judgement. HEXIS recommend the use of pre-cut BODYFENCE for this particular application. As the adhesion of BODYFENCE is permanent, its removal from a full wrap film can damage the latter. HEXIS decline any responsibility in the case of deterioration of a full wrap film caused by the application and removal of BODYFENCE.

- 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 closed immediately and properly (masking tape or roll-collars) after use in order to preserve all its qualities.

- 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.

OPERATING RECOMMENDATIONS:

- Conformable product developed for protecting bodywork, underbody, painted bumpers and rear-view mirror casings against chips caused by stones and insects.
- Excellent protection against vandalism (key scratches).
- The improved surface sliding of the BODYFENCE film enables you to reduce squeegee friction during application and facilitates the film cleaning.
- To facilitate application, HEXIS have several types of squeegees in their range of accessories, ranging from softer to harder (plastic or felt).
- In the case of superficial micro-scratches, the film is able to eliminate these scratch marks when the temperature ranges from 45 °C to 100 °C (from 113 °F to 212 °F) maximum. For this purpose, heat must be applied using a heat gun to activate the self-healing power of the film.
- For more information on the application method of the BODYFENCE film, please refer to its Application Guide available under the «Professionals» heading, in the «Solar and safety films» category on our website www.hexis-graphics.com.

STORAGE:



Storage period before use
1 year



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



Relative humidity during storage
with relative humidity of 50 %



Storage area
in a dust-free environment



Storage method before use
in its original packaging



Orientation of rolls before use
vertically

DURABILITY: (Central European climate)

- Vertical exposure:
up to 7 years (under normal road use conditions).

Applied to a full wrap film with a durability of less than 7 years, BODYFENCE will increase the durability against yellowing and cracking of the full wrap film by up to 1 year (within the limit of the BODYFENCE durability).

- Lifespan depends on the type of substrate, substrate 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 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.