TECHNICAL DATA SHEET - PROTECTIVE FILM

BODYFENCEM

BODYFENCEM is a transparent adhesive 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. Improved surface sliding. Matt surface finish.

FILM FEATURES:

	Indicative value	
• Thickness (µm):	160	
	Average values	Standard
• Tensile strength (N/25 mm):	> 100	HEXNFX41021
• Elongation at break (%):	> 350	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET001

LINER:

- Silicone-coated PET liner.

ADHESIVE PROPERTIES:

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

	Average values	Standard
• Peel strength test 180° (N/25 mm):		
after 20 minutes of application:	19	
after 24 hours of application:	26	
• Initial tack (N/25 mm):	12	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:

- The BODYFENCEM film is intended for vehicle car body protection. It can also serve as protection system for full wrap films (HX20000, non-structured HX30000 and HX30SCH00) used for smooth and basic full wraps without embellishment.

The application of BODYFENCEM to full wrap films is at the customer's judgement. HEXIS recommend the use of pre-cut BODYFENCEM for this particular application. The adhesion of BODYFENCEM being 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 BODYFENCEM.

- Recommended minimum application temperature +10 °C (+50 °F). Apply preferably between +15 °C and +35 °C (59 °F to 95 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- 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 (tape or roll-collars) after use in order to preserve all its qualities.

- Apply wet.
- Apply to a surface that is clean and free from all traces of contaminants (dust, grease, wax, silicone etc.).

Particular care must be taken to clean the angles and periphery of the application surfaces so as to allow the film to adhere properly to the surface.

- In the case of 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 painted bodywork, underbody, bumpers and the shells of rear-view mirrors, against chips caused by stones, insects.
- Excellent protection against vandalism (key scratches).
- The improved surface sliding of the BODYFENCEM film enables you to reduce squeegee friction during application, but also to facilitate the film cleaning.
- To facilitate application, HEXIS has several types of squeegees in its range of accessories, ranging from softer to harder (plastic or felt).
- For more information on the application method of BODYFENCEM, please refer to the 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 vertical 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:

- Lifetime depends on the type of substrate, substrate preparation, exposure conditions and nature and frequency of the cleaning.

For instance, it is estimated that south-facing exposure will divide the durability by two. The same applies to horizontal exposure. In addition, a raised temperature (above 50 °C (122 °F)) or pollution significantly reduces this durability.

- Vertical exposure, North Central European climate:

  Up to 7 years (under normal road use conditions).

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

NOTES:
Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. A glass/film compatibility study should be requested in case of doubt.
All 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.